# RDT&E PROGRAMS (R-1)



Department of Defense Budget for Fiscal Years 1998/1999

February 1997

19970206 139

#### Preface

The R. D. T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Future Years Defense Program R. D. T. & E. Annex data base.

transmittal by the President of the Budget of the United States Government. This document is also provided The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the to OASD (PA) for use by non-DoD activities.

Office of the Under Secretary of Defense (Comptroller)

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118,530 116,340 2,570,930 7,814,633 41,741 35,044,590 FY 1999 3,025,018 3,455,652 5,200,038 7,954,040 3,071,144 11,126,608 35,044,590 245,009 218,774 23,772,257 146,376 1,212,090 Thousands of Dollars Date: FEB 1997 1,427 118,543 35,934,491 11,341,143 2,904,427 8,019,315 133,295 24,362,526 107,646 40,853 55,269 FY 1998 1,163,672 2,814,085 3,414,173 5,567,376 8,548,760 3,085,282 35,934,491 191,190 142,265 3,021,715 7,663,948 1,781 36,859 3,554 FY 1997 1,079,789 2,873,082 3,799,612 8,848,988 3,164,235 11,158,920 36,593,400 126,563 79,923 25,302,037 214,755 5,668,774 147,002 1,009 3,609,005 5,197,372 8,644,875 3,654,292 35,203,838 131,793 3,206,041 6,365,128 16,826 25,112,583 191,374 14,718 17,364 FY 1996 1,099,189 2,835,891 10,163,214 Summary Total Research, Development, Test & Evaluation Total Research, Development, Test & Evaluation Engineering and Manufacturing Development Research and Development (FYDP Program 6) Administration and Assoc Activities Summary Recap of Budget Activities Intelligence and Communications Advanced Technology Development Operational Systems Development Central Supply and Maintenance Summary Recap of FYDP Programs Demonstration and Validation Training Medical and Other Special Operations Forces Support of Other Nations RDT&E Management Support General Purpose Forces Strategic Forces Applied Research Mobility Forces Basic Research

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Sum	Summary		Date: FEB 1997	3 1997
			Thousands of Dollars	Dollars
	FY 1996	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities				
Basic Research	181,722	179,059	198,854	210,349
Applied Research	450,837	551,558	462,935	493,665
Advanced Technology Development	580,033	9/9///9	418,322	431,696
Demonstration and Validation Fraincering and Manufacturing Development	454,454	1.141.159	1,107,393	1,162,925
RDT&E Management Support	1,234,657	1,072,165	1,136,576	1,108,382
Operational Systems Development	730,971	750,761	663,368	643,876
	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !			1 1 1 1 1 1 1
Total Research Development Test & Eval Army	4,757,412	4,930,628	4,510,843	4,496,724
Summary Recap of FYDP Programs				
Strategic Forces	4,000	26,376	86,193	134,298
General Purpose Forces	560,107	541,129	403,355	354,129
Intelligence and Communications	64,814	72,633	89,316	68,413
Research and Development (FYDP Program 6)	4,094,970	4,242,671	3,874,153	. 3,874,693
Central Supply and Maintenance	23,699	47,819	44,326	50,086
Administration and Assoc Activities	322		60	40.
Support of Other Nations	000,0		13,500	COT'CT
Total Research Development Test & Eval Army	4,757,412	4,930,628	4,510,843	4,496,724

Department of the Army FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997	
Appropriation: 2040 A Research Development Test & Eval Army	

Appro	ppropriation:	Appropriation: 2040 A Research Development Test & Eval Army				Date: FEB 1997	1997
i ! !	ı					Thousands of Dollars	Dollars
Line	Frogram Element		! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ; ; ; ; ; ; ; ;	ກ ຢ
No		Item ?	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
Н	0601101A	In-House Laboratory Independent Research	н	13,657	14,393	15,113	15,828 U
7	0601102A	Defense Research Sciences	н	121,822	119,739	138,165	141,555 U
ĸ	0601104A	University and Industry Research Centers	н	46,243	44,927	45,576	52,966 U
	Basic Research	earch	•	181,722	179,059	198,854	210,349
4	0602104A	TRACTOR ROSE	~	2,484	3,065		Þ
ഹ	0602105A	Materials Technology	7	9,858	14,530	9,811	10,979 U
9	0602120A	Sensors and Electronic Survivability	7	26,675	19,351	19,294	19,682 U
7	0602122A	TRACTOR HIP	7	5,603	7,981	7,242	8,170 U
œ	0602211A	Aviation Technology	71	17,853	21,898	27,282	30,281 U
6	0602270A	EW Technology	7	14,651	15,510	16,528	18,151 U
10	0602303A	Missile Technology	7	17,535	29,144	22,335	24,002 U
11	0602308A	Modeling and Simulation Technology	7	19,466	20,652	21,059	24,287 U
12	0602601A	Combat Vehicle and Automotive Technology	7	35,040	34,312	33,112	33,360 U
13	0602618A	Ballistics Technology	7	34,647	39,913	33,317	37,598 U
14	0602622A	Chemical, Smoke and Equipment Defeating Technolog	7	1,728	2,259	4,739	6,691 U
15	0602623A	Joint Service Small Arms Program	7	4,857	4,497	4,786	5,204 U
16	0602624A	Weapons and Munitions Technology	7	24,297	22,246	26,980	30,613 U
17	0602705A	Electronics and Electronic Devices	7	21,134	24,351	20,192	22,374 U
18	0602709A	Night Vision Technology	2	16,442	16,636	17,304	19,213 U

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Appro	Appropriation:	2040 A Research Development Test & Eval Army				Date: FEB 1997	3 1997
; ;			-	! ! ! ! !		Thousands of	Dollars
No	Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
19	0602712A	Countermine Systems	7		7,372	10,598	10,715 U
20	0602716A	Human Factors Engineering Technology	7	15,445	15,968	14,256	15,626 п
21	0602720A	Environmental Quality Technology	7	25,537	55,178	17,519	13,869 U
22	0602782A	Command, Control, Communications Technology	7	13,130	14,976	16,838	18,180 U
23	0602783A	Computer and Software Technology	7	3,843	6,500	679	337 П
24	0602784A	Military Engineering Technology	7	33,734	38,060	36,422	40,112 U
25	0602785A	Manpower/Personnel/Training Technology	8	7,254	9,329	9,014	9,019 U
26	0602786A	Logistics Technology	7	26,995	21,319	17,689	18,565 U
27	0602787A	Medical Technology	8	70,575	104,332	74,684	75,307 U
28	0602789A	ARMY Artificial Intelligence Technology	7	2,054	2,179	1,255	1,330 U
	Applied Research	esearch		450,837	551,558	462,935	493,665
29	0603001A	Logistics Advanced Technology	m	38,820	22,724	35,469	32,197 U
30	0603002A	Medical Advanced Technology	m	90,591	201,198	10,677	10,959 U
31	0603003A	Aviation Advanced Technology	e	48,320	56,165	31,330	29,921 U
32	0603004A	Weapons and Munitions Advanced Technology	ю	29,119	29,122	18,255	29,717 U
33	0603005A	Combat Vehicle and Automotive Advanced Technology	m	26,363	28,811	32,685	59,573 U
34	0603006A	Command, Control, Communications Advanced	ю	29,323	29,379	19,688	20,911 U
35	0603007A	Manpower, Personnel and Training Advanced	ю	4,576	4,406	3,003	з,006 п
36	0603009A	TRACTOR HIKE	ю	23,016	16,791	14,350	9,574 U

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## Department of the Army FY 1998/1999 R D T & E Program

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### Department of the Army FY 1998/1999 R D T & E Program

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Date: FEB 1997 Appropriation: 2040 A Research Development Test & Eval Army

	Page A-4			THETASSTEED	SELLONI		
445,831	523,395	558,250	454,454		Demonstration and Validation	Demonstra	
Þ			420	4	Counterdrug RDI&E Projects	0603889A	74
п 699'6	73	8,250		4	SCAMP Block II Dem/Val	0603856A	73
294,495 U	324,380	238,590		4	Artillery Systems - Dem/Val	0603854A	72
1,627 U	1,948	3,001	3,234	4	TRACTOR CAGE (Dem/Val)	0603851A	71
8,700 U	6,765	966'6	9,878	4	and Analysis Medical Systems - Adv Dev	0603807A	70
7,783 U	7,673	12,689	13,228	4	Combat Service Support Control System Evaluation	0603805A	69
6,833 U	6,783	7,433	5,587	4	Logistics and Engineer Equipment - Adv Dev	0603804A	89
D			949	4	Weapons and Munitions - Adv Dev	0603802A	67
7,450 U	7,132	13,104	12,893	4	Aviation - Adv Dev	0603801A	99
11,169 U	13,168	9,755		4	NATO Research and Development	0603790A	65
2,893 U	2,939	2,769	3,167	4	Night Vision Systems Advanced Development	0603774A	64
23,714 U	20,920	25,354	26,796	.∨ 4	Tactical Electronic Surveillance System - Adv Dev	0603766A	63
7,680 U	7,557	6,541	602'9	4	Soldier Support and Survivability	0603747A	62
D		3,941	5,630	4	Tactical Electronic Support Systems - Adv Dev	0603745A	61
10,049 U	21,214	23,170	6,360	4	Army Data Distribution System	0603713A	09
8,928 п	8,982	11,395	9,335	4	Advanced Tank Armament System (ATAS)	0603653A	29
D			13,591	t 4	Engineer Mobility Equipment Advanced Development	0603649A	28
2,008 U	2,007	7,803	181,647	4	Armored System Modernization - Adv Dev	0603645A	57
D	8,521	8,322	20,811	4	Artillery Propellant Development	0603640A	26
18,982 U	40,313	63,240	58,227	4	Armament Enhancement Initiative	0603639A	55
FY 1999 C	FY 1998	FY 1997	FY 1996	Act	Item	Program Element Number	Line I
Dollars	Thousands of						4
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# Department of the Army FY 1998/1999 R D T & E Program

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Appro	Appropriation:	2040 A Research Development Test & Eval Army				Date: FEB	1997
	Program					Thousands of Dollars	! !
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75	0604201A	Aircraft Avionics	ιO	20,073	14,694	21,669	12,729 U
16	0604220A	Armed, Deployable OH-58D	Ŋ	688	1,130		Ð
77	0604223A	Comanche	ß	284,131	331,424	282,009	371,927 U
78	0604270A	EW Development	Ŋ	62,250	73,886	66,212	51,490 U
79	0604321A	All Source Analysis System	2	49,912	39,308	24,045	26,228 U
80	0604325A	Follow-on to TOW	Ŋ	944	5,479	13,949	50,884 U
81	0604328A	TRACTOR CAGE	Ŋ		1,524	11	303 П
82	0604604A	Medium Tactical Vehicles	Ŋ	2,923	5,874	3,729	Ð
83	0604609A	Smoke, Obscurant and Target Defeating Sys-Eng Dev	Ŋ	1,915			703 U
84	0604611A	JAVELIN	Ŋ	2,249	6,014	8,018	5,277 U
85	0604619A	Landmine Warfare	Ŋ	29,453	26,288	19,800	23,075 U
86	0604622A	Family of Heavy Tactical Vehicles	Ŋ	2,605	1,958		D
87	0604633A	Air Traffic Control	S	5,073	7,377	1,705	1,729 U
88	0604640A	Advanced Command and Control Vehicle (AC2V)	2	17,306	7,734	8,867	b
68	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	2		2,823	2,687	2,663 U
90	0604642A	Light Tactical Wheeled Vehicles	Ŋ	3,970	2,937	606'6	39,919 U
91	0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5	32,425	6,585		р
92	0604649A	Engineer Mobility Equipment Development	2	19,114	46,705	56,196	63,069 U
93	0604710A	Night Vision Systems - Eng Dev	5	37,658	34,870	33,456	21,255 U
94	0604713A	Combat Feeding, Clothing, and Equipment	Ŋ	16,049	76,428	55,964	43,539 U

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Department of the Army FY 1998/1999 R D T & E Program

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Appr	opriation:	Appropriation: 2040 A Research Development Test & Eval Army				Date: FEB	1997
1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	1		Thousands of Dollar	Dollars
Line	Program Element Number	Item	Act	FY 1996	199	FY 1998	FY 1999 C
95	0604715A	Non-System Training Devices - Eng Dev	Ŋ	50,140	48,788	76,749	73,048 U
96	0604716A	Terrain Information - Eng Dev	ιΩ	8,509	7,144	2,942	2,686 U
97	7 0604726A	Integrated Meteorological Support System	Ŋ			1,946	1,931 U
98	3 0604739A	Integrated Broadcast Service	ro		4,765	4,499	4,447 U
66	9 0604740A	Tactical Surveillance System - Eng Dev	ro	2,954			Þ
100	0604741A	Air Defense Command, Control and Intelligence -	Ŋ	21,810	20,031	18,350	0,698 U
101	L 0604746A	Eng Dev Automatic Test Equipment Development	ĸ	10,648	9,575	2,582	2,533 U
102	2 0604760A	Distributive Interactive Simulations (DIS) -	ហ		15,631	20,895	9,242 U
103	3 0604766A	Engineering Development Tactical Exploitation of National Capabilities -	2	23,266	15,235	19,113	19,531 U
104	1 0604768A	EMD (TIARA) Brilliant Anti-Armor Submunition (BAT)	Ŋ	190,472	161,816	202,302	129,466 U
105	5 0604770A	Joint Surveillance/Target Attack Radar System	2	15,302	9,624	6,940	5,670 U
106	5 0604778A	Positioning Systems Development (SPACE)	ιΩ	436	428	419	409 U
107	7 0604780A	Combined Arms Tactical Trainer (CATT)	5	56,282	26,110	2,823	2,866 υ
108	8 0604801A	Aviation - Eng Dev	Ŋ	4,885	5,403	5,109	0,067 U
109	9 0604802A	Weapons and Munitions - Eng Dev	Ŋ	14,845	23,661	3,577	24,865 U
110	0 0604804A	Logistics and Engineer Equipment - Eng Dev	Ŋ	19,132	19,903	28,039	26,932 U
111	1 0604805A	Command, Control, Communications Systems - Eng De	e N	16,740	9,556	11,052	16,395 U
112	2 0604807A	Medical Materiel/Medical Biological Defense	S	4,644	4,693	4,483	5,408 U
113	3 0604808A	Equipment - Eng Dev Landmine Warfare/Barrier - Eng Dev	ß	6,802	7,556	22,605	44,133 U
114	4 0604814A	Sense and Destroy Armament Missile - Eng Dev	ĸ	15,764	9,934	22,372	20,813 U

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Department of the Army FY 1998/1999 R D T & E Program

FY 1998/1999 R D T & E Program  Exhibit R-1	Date: FEB 1997	
FY 1998/1999 R D T & E Pr	Appropriation: 2040 A Research Development Test & Eval Army	

Appro	priation:	Appropriation: 2040 A Research Development Test & Eval Army		<b>,</b>		Date: FEB 1997	
, 1 1 1		111111111111111111111111111111111111111			•	Thousands of Dollars	
Line No	Frogram Element Number	Item	Act	FY 1996	FY 1997	FY 1998	EY 1999 C
115	0604816A	LONGBOW - Eng Dev	ß	21,969	10,644		Þ
116	0604817A	Combat Identification	ιΩ	23,669	16,411	19,784	13,379 U
117	0604818A	Army Tactical Command & Control Hardware &	ĸ	27,231	15,780	20,022	18,697 U
118	0604820A	Soltware Radar Development	Ŋ	200			<b>D</b>
119	0604823A	Firefinder	ß		2,496	2,564	12,022 U
120	0604854A	Artillery Systems - EMD	ហ		2,937		υ 768
	Engineeri	Engineering and Manufacturing Development		1,124,738	.1,141,159	1,107,393	1,162,925
121	0604256A	Threat Simulator Development	9	13,705	11,383	14,004	11,877 U
122	0604258A	Target Systems Development	9	13,557	9,916	11,688	13,063 U
123	0604759A	Major T&E Investment	9	62,154	40,833	40,449	33,407 U
124	0605103A	Rand Arroyo Center	Q	17,895	21,108	17,576	18,040 U
125	0605301A	Army Kwajalein Atoll	9	140,930	143,789	138,769	142,125 U
126	0605502A	Small Business Innovative Research	9	85,919			D
127	0605601A	Army Test Ranges and Facilities	v	142,694	130,222	122,117	128,919 U
128	0605602A	Army Technical Test Instrumentation and Targets	9	25,422	21,944	33,184	32,976 U
129	0605604A	Survivability/Lethality Analysis	9	32,250	30,675	32,330	30,678 U
130	0605605A	DOD High Energy Laser Test Facility	9	33,231	29,974	14,952	14,976 U
131	0605606A	Aircraft Certification	9	2,821	2,840	2,919	2,924 U
132	0605702A	Meteorological Support to RDT&E Activities	9	6,458	6,348	6,434	6,658 U

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Department of the Army FY 1998/1999 R D T & E Program

Appro	Appropriation: 2	2040 A Research Development Test & Eval Army		•		Date: FEB 1997	1997
) ; ; ;						Thousands of	Dollars
Line No	Frogram Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
133	0605706A	Materiel Systems Analysis	9	17,241	14,126	29,707	28,675 U
134	0605709A	Exploitation of Foreign Items	9	8,413	7,193	7,762	4,349 U
135	0605712A	Support of Operational Testing	9	41,078	49,614	81,672	68,949 U
136	0605801A	Programwide Activities	9	64,859	59,708	86,208	85,604 U
137	0605802A	International Cooperative Research and Developmen	9	1,555	1,534	1,581	1,581 U
138	0605803A	Technical Information Activities	9	13,549	16,552	15,451	15,872 U
139	0605805A	Munitions Standardization, Effectiveness and	9	16,692	3,211	6,317	5,895 U
140	0605853A	Salety Environmental Conservation	9	2,493	1,723	1,778	2,977 U
141	0605854A	Pollution Prevention	9	11,004	13,602	5,353	4,681 U
142	0605856A	Environmental Compliance	9	65,985	54,251	51,378	47,604 U
143	0605876A	Minor Construction (RPM) - RDT&E	9	6,035	4,229	4,393	4,537 U
144	0605878A	Maintenance and Repair (RPM) - RDT&E	9	86,907	68,580	85,119	74,681 U
145	0605879A	Real Property Services (RPS) - RDI&E	9		90,457	88,945	88,936 U
146	0605896A	Base Operations - RDT&E	9	306,481	219,946	231,653	233,633 U
147	0605898A	Management Headquarters (Research and Development	9	15,007	18,407	4,837	4,765 U
148	A6666060	Financing for Cancelled Account Adjustments	9	322			Þ
	RDT&E Man	RDI&E Management Support		1,234,657	1,072,165	1,136,576	1,108,382
149	0603778A	MLRS Product Improvement Program	7	68,851	62,804	26,678	21,845 U
150	0102419A	Aerostat Joint Project Office	7	4,000	26,376	86,193	134,298 U

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# Department of the Army FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	Appropriation:	Appropriation: 2040 A Research Development Test & Eval Army				Date: FEB	B 1997
	Drogram					Thousands of Dollar	
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
151	0203726A	Adv Field Artillery Tactical Data System	7	36,973	38,512	39,039	34,939 U
152	0203735A	Combat Vehicle Improvement Programs	7	206,625	206,816	136,520	69,443 U
153	0203740A	Maneuver Control System	7	48,302	27,888	25,641	23,932 U
154	0203744A	Aircraft Modifications/Product Improvement	7	4,288	22,386	2,609	28,791 U
155	0203752A	Figiams Aircraft Engine Component Improvement Program	7	3,703	3,834	2,940	2,933 U
156	0203758A	Digitization	7	110,583	137,078	156,960	149,015 U
157	0203801A	Missile/Air Defense Product Improvement Program	7	59,199	64,557	17,412	11,431 U
158	0203802A	Other Missile Product Improvement Programs	7	.64,920	9,874	1,255	17,011 U
159	0203806A	TRACTOR RUT	7	3,346	3,112	2,111	D
160	0203808A	TRACTOR CARD	7	9,521	6,766	06979	п 669'9
161	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	12,647	18,229	8,983	9,941 U
162	0208053A	Joint Tactical Ground System	7		2,077	3,195	Þ
163	0301359A	Special Army Program	7	8,538	10,185	5,547	4,551 U
164	0303140A	Information Systems Security Program	7	3,455	3,161	9,647	3,826 U
165	0303142A	SATCOM Ground Environment (SPACE)	7	52,821	39,421	57,827	44,288 U
166	0303150A	WWMCCS/Global Command and Control System	7		19,389	15,045	14,793 U
167	0305114A	Traffic Control, Approach and Landing System-FY	7			750	D
168	0305128A	Security and Investigative Activities	7		477	500	955 U
169	0708045A	End Item Industrial Preparedness Activities	7	23,699	47,819	44,326	50,086 U
170	1001018A	NATO Joint STARS	7	9,500		13,500	15,105 U
	Operational	al Systems Development		730,971	750,761	663,368	643,876
Total		Research Development Test & Eval Army		4,757,412	4,930,628	4,510,843	4,496,724
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### Department of the Navy FY 1998/1999 R D T & E Program

Summary

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	FY 1996	FY 1997	FY 1998	FY 1999	
Summary Recap of Budget Activities					
Basic Research	371,516	352,146	382,117	399,633	
Applied Research	537,711	534,805	490,273	539,070	
Advanced Technology Development	472,184	501,133	433,305	470,528	
Demonstration and Validation	1,712,926	1,930,143	2,135,069	2,233,510	
Engineering and Manufacturing Development	2,344,798	2,143,869	2,085,768	2,032,475	
RDÍ&E Management Support	684,676	538,596	595,265	613,180	
Operational Systems Development	2,347,690	1,855,062	1,489,225	1,467,918	
			1 1 1 1 1 1 1		
Total Research Development Test & Eval Navy	8,471,501	7,855,754	7,611,022	7,756,314	
Summary Recap of FYDP Programs					
Strategic Forces	87,453	70,880	75,203	90,662	
General Purpose Forces	1,499,568	1,071,894	881,398	768,667	
Intelligence and Communications	677,530	627,411	532,624	573,241	
Research and Development (FYDP Program 6)	6,122,434	6,000,692	6,121,797	6,288,396	
Central Supply and Maintenance Administration and Assoc Activities	83,139 1,377	84,877		35,348	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		1111111	
Total Research Development Test & Eval Navy	8,471,501	7,855,754	7,611,022	7,756,314	

# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	: d	1319 N Research Development Test & Eval Navy				Date: FEB	1997
			; ; ; ; ; ;			Thousands of	Dollars
	Program		1			; ; ; ; ; ; ; ; ;	ο θ • • • • • • • • • • • • • • • • • • •
No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
Н	0601152N	In-House Independent Laboratory Research	Н	15,004	14,683	15,834	16,236 U
7	0601153N	Defense Research Sciences	н	356,512	337,463	366,283	383,397 U
				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Basic Research	earch		371,516	352,146	382,117	399,633
æ	0602111N	Surface, Aerospace Surveillance and Weapons	7	46,015	31,921	32,273	38,833 U
4	0602121N	Technology Surface Ship Technology	7	61,717	51,399	46,859	47,353 U
5	0602122N	Aircraft Technology	7	28,672	23,750	23,590	22,860 U
9	0602131M	Marine Corps Landing Force Technology	7	16,871	16,374	13,043	14,535 U
7	0602232N	Command, Control, and Communications Technology	7	56,534	54,735	65,566	71,426 U
80	0602233N	Readiness, Training, and Environmental Quality	7	47,773	47,561	31,762	33,120 U
6	0602234N	Technology Materials, Electronics and Computer Technology	7	78,105	84,724	76,653	87,445 U
10	0602270N	Electronic Warfare Technology	7	17,133	21,535	22,810	24,707 U
11	0602314N	Undersea Surveillance Weapon Technology	α	52,057	47,967	51,033	57,875 U
12	0602315N	Mine Countermeasures, Mining and Special Warfare	7	43,553	44,602	42,737	44,575 U
13	0602435N	Oceanographic and Atmospheric Technology	7	57,260	73,416	48,211	58,037 U
14	0602633N	Undersea Warfare Weaponry Technology	7	32,021	36,821	35,736	38,304 U
	Applied Research	esearch		537,711	534,805	490,273	539,070
15	0603217N	Air Systems and Weapons Advanced Technology	ო	64,938	36,749	35,093	37,541 U
16	0603238N	Precision Strike and Air Defense	m	57,471	57,903	43,320	48,094 U
17	0603270N	Advanced Electronic Warfare Technology	т	14,005	14,469	18,144	18,738 U

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# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	Appropriation: 1	1319 N Research Development Test & Eval Navy				Date: FEB 1997	3 1997
	Program					Thousands of Dollars	
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
18	0603508N	Ship Propulsion System	m	17,734	32,185	39,737	46,297 U
19	0603640M	Marine Corps Advanced Technology Demonstration	ю	26,148	61,127	34,178	39,617 U
20	0603706N	(All) Medical Development	ю	60,185	58,928	18,332	17,043 U
21	0603707N	Manpower, Personnel and Training Adv Tech Dev	ю	15,772	18,490	18,812	21,641 U
22	0603712N	Environmental Quality and Logistics Advanced	ю	21,971	39,294	18,249	20,072 U
23	0603747N	Undersea Warfare Advanced Technology	ю	46,430	44,099	54,785	61,844 U
24	0603782N	Shallow Water MCM Demos	ю	47,786	40,807	41,602	44,492 U
25	0603792N	Advanced Technology Transition	က	76,503	. 69,052	87,285	97,269 п
26	0603794N	C3 Advanced Technology	м	23,241	28,030	23,768	17,880 U
	Advanced 5	Advanced Technology Development		472,184	501,133	433,305	470,528
27	0603207N	Air/Ocean Tactical Applications	4	19,004	17,740	16,017	20,350 U
28	0603208N	Training System Aircraft	4	2,927	2,292		Þ
29	0603216N	Aviation Survivability	4	15,636	14,865	7,859	10,323 U
30	0603254N	ASW Systems Development	4	28,860	20,928	22,869	24,879 U
31	0603261N	Tactical Airborne Reconnaissance	4	21,669	23,082	10,607	1,458 U
32	0603382N	Advanced Combat Systems Technology	4	2,657	3,700	5,232	8,823 U
33	0603451N	Tactical Space Operations	4	911			Þ
34	0603502N	Surface and Shallow Water Mine Countermeasures	4	54,626	84,851	58,231	67,922 U
35	0603504N	Advanced Submarine Combat Systems Development	4	26,826	37,291	61,122	70,321 U

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# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

:			D	Þ	Þ	Þ	Þ	D	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ	Þ
IB 1997	;	1999		111,273	30,961	7,768	119,960		11,315	3,677	4,717	65,385	5,739	22,254	45,075	119,934	52,089	124,734	9,793	40,208	2,820	106,245
Date: FEB	Thousands of Dollars	FY. 1998		98,587	19,194	7,050	118,728		9,776	3,030	5,704	59,067	4,931	16,198	38,682	125,357	49,741	137,442	7,739	34,190	2,012	60,134
		FY 1997	5,491	12,210	17,982	8,188	990'06		9,974	2,769	3,781	63,684	4,342	13,242	12,377	126,563	66,055	142,946	3,645	28,278	1,270	61,318
		FY 1996	9,060	12,286	16,636	11,167	75,242	9,448	9,657	3,084	6,012	53,378	8,052	54,946	10,034	138,412	80,993	109,593	6,078	34,150	2,893	34,039
1		Act	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1319 N Research Development Test & Eval Navy		Item	Surface Ship Torpedo Defense	Carrier Systems Development	Shipboard System Component Development	Ship Combat Survivability	PILOT FISH	Non-Acoustic Anti-Submarine Warfare (ASW)	RETRACT JUNIPER	Radiological Control	Surface ASW	Advanced Submarine System Development	Submarine Tactical Warfare Systems	Ship Concept Advanced Design	Ship Preliminary Design & Feasibility Studies	Advanced Nuclear Power Systems	Advanced Surface Machinery Systems	CHALK EAGLE	Combat System Integration	Conventional Munitions	Advanced Warhead Development (MK-50)	Marine Corps Assault Vehicles
Appropriation: 1319		Program Element Number	0603506N	0603512N	0603513N	0603514N	0603525N	0603528N	0603536N	0603542N	0603553N	0603561N	0603562N	0603563N	0603564N	0603570N	0603573N	0603576N	0603582N	N603E030	0603610N	0603611M
Appro	. , ! ! !	Line H	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55

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### Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997 Appropriation: 1319 N Research Development Test & Eval Navy

Appr	propriation:	Appropriation: 1319 N Research Development Test & Eval Navy				Date: FEB 1997	1997
	# # # D	   	]			Thousands of Dollars	
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
26	0603612M	Marine Corps Mine/Countermeasures Systems - Adv	4	1,652	529		1,985 U
57	0603635M	Dev Marine Corps Ground Combat/Support System	4	52,595	42,348	36,464	35,850 U
28	0603654N	Joint Service Explosive Ordnance Development	4	8,278	5,844	10,701	11,758 U
59	0603658N	Cooperative Engagement	4			139,229	87,556 U
9	0603711N	Fleet Tactical Development	4	4,024	3,261		D
61	0603713N	Ocean Engineering Technology Development	4	5,074	8,256	12,658	n 965'6
62	0603721N	Environmental Protection	4	58,635	46,424	52,401	58,181 U
63	0603724N	Navy Energy Program	4	1,914	2,955	4,159	4,629 U
64	0603725N	Facilities Improvement	4	1,746	2,149	1,720	2,020 U
65	0603734N	CHALK CORAL	4	68,782	74,448	94,358	100,154 U
99	0603746N	RETRACT MAPLE	4	82,645	80,369	120,033	153,238 U
67	0603748N	LINK PLUMERIA	4	20,695	34,463	29,433	16,760 U
89	0603751N	RETRACT ELM	<b>*</b>	31,545	23,972	21,822	11,950 U
69	0603755N	Ship Self Defense - Dem/Val	4	309,901	280,381	9,961	12,501 U
70	0603785N	Combat Systems Oceanographic Performance	4	15,219	13,079	11,706	17,668 U
71	0603787N	Assessment Special Processes	4	69,793	88,536	81,439	83,675 U
72	N0603790N	NATO Research and Development	4		9,528	13,330	11,267 U
73	0603795N	Land Attack Technology	4	32,205	50,067	37,809	52,985 U
74	0603800N	Joint Strike Fighter (JSF) - Dem/Val	4	79,981	246,076	448,855	443,522 U
75	0603851M	Nonlethal Weapons - Dem/Val	4	4,590	9,591	16,807	23,515 U

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Exhibit R-1

Department of the Navy FY 1998/1999 R D T & E Program

;	<i>U</i> :		Þ	Ω	n	77 U	10	613 U	Þ	70 U	30 п	95 U	49 U	29 U	23 п	16 U	64 U	47 U	16 υ	26 U	53 U
B 1997	f Dollars	FY 1999				6,677	2,233,510	9		219,570	11,230	45,295	24,049	7,759	3,023	53,116	90,264	30,147	272,716	14,126	127,853
Date: FEB 1997	Thousands of Dollars	FY 1998		2,993	4,987	4,705	2,135,069	403		73,354	11,034	36,297	4,735	6,129	3,191	31,518	80,735	16,947	529,495	12,111	101,803
		FY 1997	23,977			4,960	1,930,143		986'69	62,674	16,089	25,367	9,553	5,376	7,703	28,654		13,981	552,082	26,083	121,431
		FY 1996				5,376	1,712,926	-604	10,995	76,289	25,479	12,936	12,013	5,868	16,045	24,194		9,219	717,336	16,725	87,436
 		Act	4	4	4	4		ις	ις	Ŋ	<sub>1</sub>	2	ıs	2	2	2	2	ις	S	دی	Ω
1319 N Research Development Test & Eval Navy	1	Item	Arensal Ship	Joint Precision Approach and Landing System - Dem	Val Hardened Target Munitions	Space and Electronic Warfare (SEW) Architecture/	Engineering Support Demonstration and Validation	Training System Aircraft	AH-1T Composite Rotor Blade (H)	Other Helo Development	AV-8B Aircraft - Eng Dev	Standards Development	S-3 Weapon System Improvement	Air/Ocean Equipment Engineering	P-3 Modernization Program	Tactical Command System	H-1 Upgrades	Acoustic Search Sensors	V-22A	Air Crew Systems Development	EW Development
Appropriation: 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Program Element Number	0603852N	0603860N	0604327N	0604707N	Demonstra	0603208N	0603266N	0604212N	0604214N	0604215N	0604217N	0604218N	0604221N	0604231N	0604245N	0604261N	0604262N	0604264N	0604270N
Appro	1	Line H	92	77	78	79		80	81	82	83	84	82	98	87	88	8	90	91	93	93

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# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	Appropriation:	1319 N Research Development Test & Eval Navy				Date: FEB 1997	B 1997
						Thousands of Dollars	! !
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
94	0604307N	Surface Combatant Combat System Engineering	Ŋ	87,999	88,367	87,934	115.643 п
95	0604310N	Arsenal Ship	ហ			102,994	
96	0604311N	LPD-17 Class Systems Integration	ß		4,098	471	
97	0604312N	Tri-Service Standoff Attack Missile	ស			9,644	17,730 U
98	0604366N	Standard Missile Improvements	ĸ	21,404	9,240	549	1,329 U
66	0604373N	Airborne MCM	ιΛ	30,462	31,141	16,503	19,937 U
100	0604503N	SSN-688 and Trident Modernization	25	66,191	58,638	42,294	47,914 U
101	0604504N	Air Control	ιΩ	7,438	10,294	9,298	6,417 U
102	0604507N	Enhanced Modular Signal Processor	Ŋ	14,076	21,740	3,462	3,224 U
103	0604512N	Shipboard Aviation Systems	Ŋ	10,938	6,285	9,225	10,494 U
104	0604516N	Ship Survivability	IJ	4,712	3,883	6,081	7,088 U
105	0604518N	Combat Information Center Conversion	ıs	15,154	9,848	11,325	9,781 U
106	0604524N	Submarine Combat System	ĸ	40,906	17,828	23,701	18,584 U
107	0604558N	New Design SSN	Ŋ	324,302	372,217	311,076	210,363 U
108	0604561N	SSN-21 Developments	2	79,411	87,524	49,542	27,731 U
109	0604562N	Submarine Tactical Warfare System	ιΩ	35,457	21,837	45,663	32,376 U
110	0604567N	Ship Contract Design/ Live Fire T&E	Ŋ	20,881	6,804	75,713	125,904 U
111	0604574N	Navy Tactical Computer Resources	52	13,501	28,961	4,794	5,026 U
112	0604601N	Mine Development	2	2,946	2,381	2,815	3,650 U
113	0604603N	Unguided Conventional Air-Launched Weapons	ហ	50,826	30,991	28,890	5,167 U

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### Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

54,766 U 18,000 U 15,010 U Þ Þ Þ Þ Þ Þ Þ Þ 38,623 U 2,032,475 6,975 1,252 2,535 3,907 9,264 11,853 5,975 78,828 102,790 4,397 57,931 FY 1999 8,129 Thousands of Dollars Date: FEB 1997 50,370 1,022 2,088 3,620 8,755 FY 1998 950 71,526 2,085,768 12,860 132,270 33,048 48,308 33,236 17,290 6,613 4,531 12,714 4,478 6,679 55,480 3,588 3,021 46,837 22,574 38,950 33,461 972 1,903 82,488 144,144 2,143,869 29,686 FY 1997 10,832 5,609 1,317 1,002 2,518 10,812 7,860 3,258 2,344,798 FY 1996 27,873 5,213 79,901 194,715 97,163 28,234 23,202 48,872 19,947 52,684 Act 9 9 Ŋ S ß Ŋ S ß Ŋ S S Ŋ Ŋ 9 ø Personnel, Training, Simulation, and Human Factor Marine Corps Mine Countermeasures Systems - Eng Battle Group Passive Horizon Extension System Joint Service Explosive Ordnance Development Marine Corps Command/Control/Communications Systems Appropriation: 1319 N Research Development Test & Eval Navy Studies and Analysis Support - Navy Distributed Surveillance System Lightweight Torpedo Development Engineering and Manufacturing Development Joint Standoff Weapon Systems Threat Simulator Development Joint Direct Attack Munition Target Systems Development Ship Self Defense - EMD Navigation/ID System Major T&E Investment Medical Development Navy Energy Program 0604256N 0604618N 0604719M 0604721N 0604727N 0604755N 0604771N 0604777N 0604784N 0604258N 0604759N 0605152N 0604610N 0604612M 0604654N 0604703N 0604710N Program Line Element Number 114 116 117 118 126 128 129 130 119 125 115 120 121 127 123 122 124 õ

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44,794 U

43,476

38,608

42,903

Center for Naval Analyses

0605154N

# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	Appropriation:	1319 N Research Development Test & Eval Navy	1			Date: FEB 1997	1997
			ļ			Thousands of Dollars	1 !
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
132	0605155N	Fleet Tactical Development	9	2,464	2,861	2,747	3,654 U
133	0605502N	Small Business Innovative Research	9	111,340			Þ
134	0605804N	Technical Information Services	9	2,293	4,533	8,763	в, 950 и
135	0605853N	Management, Technical & International Support	9	17,500	19,672	24,305	26,911 U
136	0605856N	Strategic Technical Support	9	2,890	1,907	2,110	2,238 U
137	0605861N	RDT&E Science and Technology Management	9	60,140	55,961	57,591	56,663 U
138	0605862N	RDT&E Instrumentation Modernization	9	11,509	5,946	8,546	8,544 U
139	0605863N	RDT&E Ship and Aircraft Support	9	59,706	48,253	48,596	55,613 U
140	0605864N	Test and Evaluation Support	9	235,938	233,908	263,934	272,624 U
141	0605865N	Operational Test and Evaluation Capability	9	5,974	7,358	9,107	9,154 U
142	0605866N	Navy Space and Electronic Warfare (SEW) Support	9	2,970	2,753	2,783	4,170 U
143	0605867N	SEW Surveillance/Reconaissance Support	9	11,675	11,488	11,941	13,941 U
144	0605871M	Marine Corps Tactical Exploitation of National	9	2,753			Þ
145	0605873M	Marine Corps Program Wide Support	9	5,378	7,459	8,207	8,884 U
146	N6666060	Financing for Cancelled Account Adjustments	9	1,377			Þ
	RDT&E Man	RDT&E Management Support		684,676	538,596	595,265	613,180
147	0101221N	Strategic Sub & Weapons System Support	7	34,666	40,082	44,419	52,124 U
148	0101224N	SSBN Security Technology Program	7	28,572	23,250	24,726	30,190 U
149	0101226N	Submarine Acoustic Warfare Development	7	7,479	7,548	6,058	8,348 U

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Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	opriation:	Appropriation: 1319 N Research Development Test & Eval Navy		1		Date: FEB 1997	1997
!			# ! ! ! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of	Dollars
Line	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	666
150	0101402N	Navy Strategic Communications	7	16,736			Þ
151	L 0204136N	F/A-18 Squadrons	7	857,265	422,715	316,976	198,891 U
152	2 0204152N	E-2 Squadrons	7	59,620	62,012	64,852	48,147 U
153	3 0204163N	Fleet Telecommunications (Tactical)	7	21,160	19,138	19,336	23,289 U
154	1 0204229N	Tomahawk and Tomahawk Mission Planning Center	7	157,745	140,365	93,359	67,253 U
155	5 0204311N	(TMPC) Integrated Surveillance System	7	30,559	34,608	9,882	24,377 U
156	5 0204413N	Amphibious Tactical Support Units	7	4,074	1,459	672	з,210 п
157	7 0204571N	Consolidated Training Systems Development	7	65,092	48,978	58,956	47,563 U
158	8 0204575N	Electronic Warfare (EW) Readiness Support	7		1,583	1,626	з,766 п
159	9 0205601N	HARM Improvement	7	3,355	36,774	6,169	8,436 U
160	0205604N	Tactical Data Links	7	42,567	35,574	41,375	45,441 U
161	1 0205620N	Surface ASW Combat System Integration	7	9,522	6,503	7,991	7,190 U
162	2 0205632N	MK-48 ADCAP	7	21,310	12,242	10,786	19,543 U
163	3 0205633N	Aviation Improvements	7	63,269	52,742	60,025	69,517 U
164	4 0205658N	Navy Science Assistance Program	7	6,663	12,533		Þ
165	5 0205667N	F-14 Upgrade	7	19,816	9,437	11,704	14,839 U
166	6 0205675N	Operational Nuclear Power Systems	7	56,571	53,590	55,998	54,909 U
167	7 0206313M	Marine Corps Communications Systems	7	6,804	52,853	38,296	41,174 U
168	8 0206623M	Marine Corps Ground Combat/Supporting Arms System	2m 7	14,439	8,495	12,568	15,470 U
169	9 0206624M	Marine Corps Combat Services Support	7	6,131	5,681	5,048	4,757 U

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# Department of the Navy FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	Appropriation:	1319 N Research Development Test & Eval Navy	1		:	Date: FEB 1997	1997
 	Program		;			Thousands of Dollars	Dollars
No	Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
170	0206625M	Marine Corps Intelligence/Electronics Warfare	7	6,185			Þ
171	0206626M	Systems Marie Corps Command/Control/Communications Systems	7	15,012			Þ
172	0207161N	Orsums Tactical AIM Missiles	7	28,103	52,463	60,09	66,040 U
173	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	4,306	2,149	5,700	4,855 U
174	0301303N	Maritime Intelligence	7				
175	0301327N	Technical Reconnaissance and Surveillance	7				
176	0303109N	Satellite Communications (SPACE)	7	33,851	36,360	17,026	27,408 U
177	0303140N	Information Systems Security Program	7	21,383	25,525	20,291	25,301 U
178	0303150N	WWMCCS/Global Command and Control System	7			498	508 U
179	0304111N	Special Activities	7				
180	0305154N	Defense Airborne Reconnaissance Program	7		7,939		n
181	0305160N	Defense Meteorological Satellite Program (SPACE)	7	25,271	13,134	3,165	9,135 U
182	0305192N	Joint Military Intelligence Programs	7			2,412	2,293 U
183	0305207N	Manned Reconnaissance Systems	7			344	342 U
184	0305889N	Counterdrug Intelligence Support	7	30,162			D
185	0305927N	Naval Space Surveillance	7	712	677	399	529 U
186	0708011N	Industrial Preparedness	7	83,139	84,877		35,348 U
	Operation	Operational Systems Development		2,347,690	1,855,062	1,489,225	1,467,918
Total		Research Development Test & Eval Navy		8,471,501	7,855,754	7,611,022	7,756,314

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Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

T. V. TITTIYE	Date: FEB 1997	
SSOLISS A L L RECYLAMI	Summary	

	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of Dollars	f Dollars
	FY 1996	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities				
Basic Research	216,348	210,763	226,832	230,210
Applied Research	627,055	653,892	593,354	619,463
Advanced Technology Development	517,219	473,072	402,314	431,811
Demonstration and Validation	545,720	828,397	1,149,365	1,223,026
Engineering and Manufacturing Development	4,585,123	4,520,611	4,444,276	3,712,356
RDI&E Management Support	1,046,970	1,041,600	821,300	808,925
Operational Systems Development	4,974,379	6,340,501	6,813,938	6,774,194
		1 1 1 1 1 1 1	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	
Total Research Development Test & Eval AF	12,512,814	14,068,836	14,451,379	13,799,985
Summary Recap of FYDP Programs				
Ses	.40,340	29,307	29,794	20,049
General Purpose Forces	1,120,298	1,381,535	1,591,818	1,419,603
Intelligence and Communications	3,613,731	4,932,826	5,200,153	5,114,802
Mobility Forces	16,826	79,923	133,295	218,774
Research and Development (FYDP Program 6)	7,622,978	7,558,159	7,394,019	6,866,357
Central Supply and Maintenance	80,748	75,958	54,600	52,210
Training Medical and Other	1,009	1,781	1,427	
Administration and Assoc Activities	9,020	5,793	6,497	6,756
Support of Other Nations	7,864	3,554	39,776	101,434
	1 1 1 1 1 1 1		+ + + + + + + + + + + + + + + + + + + +	
Total Research Development Test & Eval AF	12,512,814	14,068,836	14,451,379	13,799,985

# Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Appropri	priation:	Appropriation: 3600 F Research Development Test & Eval AF				Date: FEB 1997	1997
	Program					Thousands of Dollars	Dollars
Line	Element		,				
ON N	Number	ıtem	Act 	FY 1996	FY 1997	FY 1998	FY 1999 c
⊣	0601102F	Defense Research Sciences	н	216,348	210,763	226,832	230,210 U
	Basic Research	earch		216,348	210,763	226,832	230,210
7	0602102F	Materials	7	71,142	77,877	70,224	74,503 U
m	0602201F	Aerospace Flight Dynamics	7	60,363	62,934	60,509	02,039 U
4	0602202F	Armstrong Lab Exploratory Development	7	81,171	86,382	76,102	77,002 U
ഹ	0602203F	Aerospace Propulsion	7	71,766	72,221	69,303	68,416 U
9	0602204F	Aerospace Avionics	7	64,747	65,360	69,401	70,469 U
7	0602269F	Hypersonic Technology Program	7	12,624	7,153	9,840	12,984 U
ω	0602601F	Phillips Lab Exploratory Development	7	130,112	147,712	111,136	123,514 U
0	0602602F	Conventional Munitions	7	42,886	41,038	40,772	42,999 U
10	0602702F	Command Control and Communications	7	92,244	93,215	86,067	84,537 U
	Applied Research	esearch		627,055	653,892	593,354	619,463
11	0603106F	Logistics Systems Technology	m	16,372	17,467	15,338	17,775 U
12	0603108F	Integrated Data Systems	m	14,406	17,332	19,753	19,706 U
13	0603112F	Advanced Materials for Weapon Systems	т	29,817	25,136	20,596	21,429 U
14	0603202F	Aerospace Propulsion Subsystems Integration	т	31,111	27,031	30,564	31,434 U
15	0603203F	Advanced Avionics for Aerospace Vehicles	т	29,432	27,475	26,507	28,206 U
16	0603205F	Flight Vehicle Technology	ю	10,034	8,052	5,766	6,442 U
17	0603211F	Aerospace Structures	m	12,033	9,945	15,032	17,745 U

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Exhibit R-1

Department of the Air Force FY 1998/1999 R D T & E Program

Appr	ion:	3600 F Research Development Test & Eval AF				Date: FEB	1997
:						Thousands of Dollars	Dollars
Line No	Floylam Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
18	0603216F	Aerospace Propulsion and Power Technology	ო	39,365	36,506	37,014	39,836 U
19	0603227F	Personnel, Training and Simulation Technology	m	8,509	7,420	6,147	7,182 U
20	0603231F	Crew Systems and Personnel Protection Technology	ო	21,684	21,442	17,204	17,966 U
21	. 0603238F	Global Surveillance and Communication Technology	m	2,367	2,191		Þ
22	0603245F	Flight Vehicle Technology Integration	m	11,379	6,132	7,795	9,828 U
23	0603253F	Advanced Avionics Integration	m	16,636	14,809	12,716	14,218 U
24	0603270F	Electronic Combat Technology	က	21,301	26,414	25,621	26,765 U
25	0603302F	Space and Missile Rocket Propulsion	ო	18,162	22,353	16,247	22,037 U
26	0603311F	Ballistic Missile Technology	m	8,041	2,699		D
27	7 0603401F	Advanced Spacecraft Technology	m	72,456	73,215	40,846	44,679 U
28	3 0603410F	Space Systems Environmental Interactions	m	3,187	2,793	3,151	3,527 U
29	0603601F	rechnology Conventional Weapons Technology	m	31,719	23,754	26,227	23,712 U
30	0603605F	Advanced Weapons Technology	m	73,277	54,027	41,238	41,660 U
31	1 0603707F	Weather Systems Technology	m	4,194	3,273	2,036	2,056 υ
32	2 0603723F	Environmental Engineering Technology	m	8,421	7,520	4,084	4,857 U
33	3 0603726F	C3I Subsystem Integration	m	11,157	8,390	9,922	10,566 U
34	1 0603728F	Advanced Computing Technology	m	10,327	8,089	5,613	6,684 U
35	5 0603789F	C3 Advanced Development	m ·	11,832	10,389	12,897	13,501 U
36	5 0305176F	Combat Survivor Evader Locator	ю		9,218		Þ
	Advanced	Advanced Technology Development		517,219	473,072	402,314	431,811

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# Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

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Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

pment Test & Eval AF	Thousands of Dollars	
Appropriation: 3600 F Research Development Test & Eval AF		Program

Program Element Number	it i	T + 000	ţ	700 L VI	T 7007	,	of Dollars
Number		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
0604201F Int	Int	Integrated Avionics Planning and Development	ις	14,745	17,726	16,494	7,884 U
0604218F Eng	Eng	Engine Model Derivative Program (EMDP)	2	714	675	741	U 767 U
0604222F Nu	Nu	Nuclear Weapons Support	2	4,516	5,655	4,782	5,005 U
0604226F B-	ė,	B-1B	2	186,940	207,930	216,886	199,718 U
0604227F Tr	T	Training Systems Development	22	7,961	4,247	4,305	4,422 U
0604231F C-	ပ်	C-17 Program	<sub>C</sub>	71,956			Ω
0604233F S	S)	Specialized Undergraduate Pilot Training	ις.	59,089	75,680	80,238	67,183 U
0604239F F	ĒΨ	F-22 EMD	2	2,154,196	1,818,462	2,071,234	1,464,782 U
0604240F B	Д	B-2 Advanced Technology Bomber	55	587,538	595,496	355,750	44,894 U
0604243F M	Σ	Manpower, Personnel and Training Development	22	4,953	4,689	4,534	4,230 U
0604249F N	z	Night/Precision Attack	2	6,521			D
0604268F A	Ø	Aircraft Engine Component Improvement Program	2	96,107			Þ
0604270F E	ഥ	EW Development	2	48,674	97,458	78,465	87,889 U
0604321F C	U	Combat Intelligence System -EMD	S	3,619	2,791		Þ
0604441F s	0,1	Space Based Infrared Architecture (SPACE) - EMD	2	165,171	189,638	338,413	580,298 U
0604479F N	Σi	Milstar LDR/MDR Satellite Communications (SPACE)	2	533,613	683,685	676,690	555,050 U
0604480F G	U	Global Positioning System Block IIF (SPACE)	2	18,530	35,406	71,094	67,853 U
0604600F M	×	Munitions Dispenser Development	Ŋ	50,005	53,631	18,076	7,711 U
0604602F A	ď	Armament/Ordnance Development	S	2,600	3,483	1,597	135 U
0604604F SI	ัง	Submunitions	Ŋ	4,843	4,769	4,956	4,902 U

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Department of the Air Force FY 1998/1999 R D T & E Program

		Department of FY 1998/1999 R	the Air D I & E	Force Program		Exhibit	it R-1
Appr	Appropriation:	3600 F Research Development Test & Eval AF				Date: FEB	3 1997
1 1			; ; ; ;	! ! ! ! !	1	nds	of Dollars
Line No	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 G
75	0604617F	Air Base Operability	ഗ	8,881	2,781	1,424	2,553 U
76	0604618F	Joint Direct Attack Munition	'n	80,555	36,993	19,553	12,450 U
77	0604703F	Aeromedical/Chemical Defense Systems	ß	5,873	5,707	4,354	2,057 U
78	0604704F	Common Support Equipment Development	ıcı	1,310		•	Þ
79	0604706F	Life Support Systems	Ŋ	4,518	10,391	3,726	3,819 U
80	0604708F	Civil, Fire, Environmental, Shelter Engineering	ιΩ	2,580	2,617	2,698	2,770 п
81	0604711F	Systems Survivability (Nuclear Effects)	Ŋ	35	35		Þ
82	0604727F	Joint Standoff Weapons Systems	ις	41,828	22,463	24,676	23,139 U
83	0604735F	Combat Training Ranges	Ŋ	12,744	21,926	20,331	14,875 U
84	0604740F	Computer Resource Technology Transition (CRIT)	ស	8,688	1,862	1,459	1,485 U
85	0604750F	Intelligence Equipment	ស	1,256	1,167	1,287	1,326 U
86	0604754F	Joint Tactical Information Distribution System	ιυ	9,077	29,321	8,557	8,616 U
87	0604770F	(JTIDS) Joint Surveillance/Target Attack Radar System	Ŋ	154,939	215,210		D
88	0604779F	(JSTAKS) Joint Interoperability of Tactical Command &	۲S	5,771	5,606	5,929	5,940 U
89	0604851F	Control Systems (JiniACCS) Intercontinental Ballistic Missile - EMD	۲O	179,685	202,153	137,944	п 066'98
90	0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	2			28,376	293,950 U
91	0207320F	- EMD Sensor Fused Weapons	ιΩ			19,804	3,622 п
92	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	2	27,600	160,958	203,321	135,542 U
93	0207414F	Combat Intelligence System	S			12,267	10,499 U
94	0303606F	UHF Satellite Communications	ហ	12,492			D
95	0305176F	Combat Survivor Evader Locator	S			4,315	Þ
	Engineeri	Engineering and Manufacturing Development		4,585,123	4,520,611	4,444,276	3,712,356

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Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	Appropriation:	3600 F Research Development Test & Eval AF		1		Date: FEB 1997	1997
1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! !		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	Thousands of Dollars	! ! !
Line	Frogram Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
96	0603402F	Space Test Program (SPACE)	9	44,731	43,439	42,241	56,157 U
97	0604256F	Threat Simulator Development	9	57,046	53,496	51,846	36,238 U
86	0604258F	Target Systems Development	y	5,049	4,762	4,780	4,818 U
66	0604759F	Major T&E Investment	y	38,446	32,340	47,336	43,809 U
100	0605101F	RAND Project Air Force	y	23,862	21,061	21,768	21,594 U
101	0605306F	Ranch Hand II Epidemiology Study	y	3,006	8,842	10,933	4,488 U
102	0605502F	Small Business Innovation Research	vo	174,857	212,854		Þ
103	0605704F	Theater Air Defense BMC4I	9	12,362	12,010		Þ
104	0605712F	Initial Operational Test & Evaluation	v	22,948	21,454	28,319	25,035 U
105	0605807F	Test and Evaluation Support	9	436,454	414,901	389,348	389,527 U
106	0605808F	Development Planning	9	6,437	6,194	6,049	6,197 U
107	0605853F	Environmental Conservation	9	8,194	10,429	11,914	12,752 U
108	0605854F	Pollution Prevention	y	13,397	19,756	5,880	4,314 U
109	0605856F	Environmental Compliance	9	26,053	21,865	17,126	21,705 U
110	0605860F	Rocket Systems Launch Program (SPACE)	9	36,900	32,218	8,013	8,023 U
111	0605876F	Minor Construction (RPM) - RDT&E	9			1,853	1,941 U
112	0605878F	Maintenance and Repair (RPM) - RDT&E	Ġ			55,200	57,503 U
113	0605879F	Real Property Services (RPS) - RDI&E	9			49,614	47,809 U
114	0605896F	Base Operations - RDT&E	9	134,232	125,979	65,365	63,188 U
115	0909900F	Financing for Expired Account Adjustments	· vo	2,996			D

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# Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	Appropriation:	3600 F Research Development Test & Eval AF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date: FEB 1997	1997
	; ;		;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of Dollars	Dollars
Line	Frogram Element Number	Item	Act	FY 1996	FY 1997	FY 1998	1999
116	1001004F	International Activities	9			3,715	3,827 U
	RDT&E Man	RDT&E Management Support		1,046,970	1,041,600	821,300	808,925
117	0603107F	Technical Evaluation System	7				
118	0603110F	Special Evaluation System	7				
119	0101113F	B-52 Squadrons	7	19,870	10,612	3,427	3,765 U
120	0101120F	Advanced Cruise Missile	7	6,743	1,107	2,393	Þ
121	0102325F	Joint Surveillance System	7	6,050	12,626	2,020	2,219 U
122	0102326F	Region/Sector Operation Control Center	7			20,512	14,065 U
123	0102411F	Modernization Frogram North Atlantic Defense System	7	6,702	4,962	1,442	Þ
124	0102412F	North Warning System (NWS)	7	975			Þ
125	0207129F	F-111 Squadrons	7	564			Þ
126	0207131F	A-10 Squadrons	7			٠	2,358 U
127	0207133F	F-16 Squadrons	7	146,114	126,228	100,233	100,491 U
128	0207134F	F-15E Squadrons	7	160,917	150,981	137,538	109,798 U
129	0207136F	Manned Destructive Suppression	7	10,208	11,821	13,561	2,492 U
130	0207141F	F-117A Squadrons	7	3,647	11,797	9,520	5,251 U
131	0207161F	Tactical AIM Missiles	7	18,982	31,798	53,171	54,031 U
132	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7 (1	44,202	24,745	50,781	45,985 U
133	0207217F	Podded Reconnaissance System	7	3,000	6,438	299	Þ

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Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	Appropriation:	3600 F Research Development Test & Eval AF		n.		Date: FEB 1997	1997
	Program		; ; ; ; ; ;			Thousands of	of Dollars
Line No		Item		FY 1996	FY 1997	FY 1998	FY 1999 C
134	0207247F	AF TENCAP	. 7	20,556	19,102	15,251	16,277 U
135	0207248F	Special Evaluation Program	7	82,539	35,629	73,107	82,212 U
136	0207268F	Aircraft Engine Component Improvement Program	7		92,704	93,122	93,921 U
137	0207320F	Sensor Fused Weapons	7	9,517	18,695		n
138	0207323F	AGM-86C Conventional Air-Launched Cruise Missile	7		2,875		22,091 U
139	0207412F	Theater Air Control Systems	7	535	590	393	440 U
140	0207417F	Airborne Warning and Control System (AWACS)	7	88,843	78,635	46,807	29,266 U
141	0207419F	Tactical Airborne Command and Control Systems	7	1,910	325		D
142	0207423F	Advanced Communications Systems	7	1,821	1,646	2,966	2,895 U
143	0207424F	Evaluation and Analysis Program	7	75,129	81,623	74,917	86,728 U
144	0207431F	Combat Air Intelligence System Activities	7		7,385		D
145	0207433F	Advanced Program Technology	7	140,350	66,355	92,056	Ω 609'59
146	0207438F	Theater Battle Management (TBM) C41	7	27,403	32,766	24,013	35,341 U
147	0207579F	Advanced Systems Improvements	7	56,571			D
148	0207581F	Joint Surveillance and Target Attack Radar System	n 7			119,189	84,458 U
149	0207590F	Seek Eagle	7	13,654	15,075	17,716	19,146 U
150	0207591F	Advanced Program Evaluation	7	135,724	181,725	214,011	165,007 U
151	0207601F	USAF Modeling and Simulation	7	6,025	25,107	21,718	24,919 U
152	0208006F	Mission Planning Systems	7	19,067	17,635	16,526	17,434 U
153	0208021F	Information Warfare Support	7				

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### Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Þ Þ Þ Þ υ Þ Þ Þ Þ D Þ Þ 104,061 U 8,424 U 29,019 6,589 7,973 3,000 925 31,682 1,288 17,589 18,334 6,650 8,799 FY 1999 112,413 52,348 Thousands of Dollars Date: FEB 1997 5,298 6,820 3,000 7,844 9,057 34,409 6,571 FY 1998 29,182 105,645 40,344 1,360 10,547 20,894 12,871 80,011 7,299 4,919 20,842 6,548 7,307 7,643 FY 1997 30,585 107,983 39,054 27,279 19,289 32,640 5,321 FY 1996 24,059 13,068 1,500 40,678 74,896 5,440 33,477 10,381 Act 7 7 7 Air Traffic Control, Approach, and Landing System (ATCALS) World-Wide Military Command and Control Systems, Information System Milstar Satellite Communications System (SPACE) Defense Satellite Communications System (SPACE) Electromagnetic Compatibility Analysis Center Minimum Essential Emergency Communications Network (MEECN) Information Systems Security Program Appropriation: 3600 F Research Development Test & Eval AF Missile and Space Technical Collection Satellite Control Network (SPACE) Defense Dissemination Program Management Headquarters GDIP Global Combat Support System Technical Evaluation System Foreign Technology Division Special Evaluation System Theater Missile Defenses Selected Activities Special Activities. Weather Service FOREST GREEN Item 0301313F 0301398F 0303144F 0304311F 0305111F 0305114F 0208060F 0208160F 0208161F 0301310F 0301315F 0301324F 0303110F 0303131F 0303140F 0303141F 0303152F 0303601F 0304111F 0305110F Program Element Number 159 Line No 160 161 168 169 170 162 167 171 172 154 155 156 157 163 164 165 166

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# Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

	C	001	3 D	n 2	ь Б	D 6		12 U	Þ	D	242 U	13 U	о о	0 O		72 U	Ω 98	17 U	Д 91	32 U	о о	33 U
B 1997	of Dollars	FY 1999	14,623	467	1,919	3,369		137,602			24	19,143	68,590	21,580		33,472	5,036	14,147	39,946	14,982	14,590	3,383
Date: FEB	Thousands	FY 1998	5,719	530	12,830	3,337		82,384			258	14,076	46,300	26,685		34,186	7,362	28,573	23,193	14,145	14,590	
		FY 1997	12,720	275	11,858	3,010		97,487	27,841	4,750	2,799	14,769	29,810	40,442		33,956	29,466	31,851	25,009	13,018		
		FY 1996	16,614	282	12,140	2,931		128,942	948	29,558	2,872	18,221	16,314	25,257		47,943	56,712	54,334	33,969	12,064		
		Act	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
3600 F Research Development Test & Eval AF		Item	Medium Launch Vehicles (SPACE)	Security and Investigative Activities	National Airspace System (NAS) Plan	Upper Stage Space Vehicles (SPACE)	Applied Technology and Integration	Titan Space Launch Vehicles (SPACE)	Arms Control Implementation	Defense Airborne Reconnaissance Program	Tactical Terminal	Defense Meteorological Satellite Program (SPACE)	NAVSTAR Global Positioning System (User	Equipment) (SFACE) NAVSTAR Global Positioning System (Space and		Eastern Space Launch Facility (ESLF) (SPACE)	NCMC - TW/AA System	SPACETRACK (SPACE)	Defense Support Program (SPACE)	NUDET Detection System (SPACE)	Space Architect	Evolved Expendable Launch Vehicle (EELV) (Space)
Appropriation: 3		Frogram Element Number	0305119F	0305128F	0305137F	0305138F	0305142F	0305144F	0305145F	0305154F	0305158F	0305160F	0305164F	0305165F	0305172F	0305182F	0305906F	0305910F	0305911F	0305913F	0305917F	0305953F
Approp		Line E No N	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193

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Department of the Air Force FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997 Appropriation: 3600 F Research Development Test & Eval AF

1			1 1 1 1 1 1 1	; ; ; ; ; ; ; ; ; ; ;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of	of Dollars
Line No	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
			) !	1 1 1 1 1 1 1			
194	0308610F	Information Management-Automation-Program 3	7	06,70	14,543		Þ
195	0401119F	C-5 Airlift Squadrons	7		1,124	9,751	14,204 U
196	0401130F	C-17 Aircraft	7		71,774	113,605	202,344 U
197	0401214F	Air Cargo Material Handling (463-L) (Non-IF)	7		3,145	7,947	522 U
198	0401218F	KC-135s	7	11,729	715	1,992	1,704 U
199	0404102F	Aerospace Rescue and Recovery	7	2,097	3,165		D
200	0702207F	Depot Maintenance (Non-IF)	7	1,414	1,377	1,482	1,530 U
201	0708011F	Industrial Preparedness	7	57,040	50,632	48,429	45,923 U
202	0708026F	Productivity, Reliability, Availability,	7	16,840	15,842	1,032	D 066
203	0708611F	Maintain, flog old (FAMBEO) Support Systems Development	7	5,454	8,107	3,657	3,767 U
204	0804734F	Cryptologic/SIGINT-Related Skill Training	7	1,009	1,781	1,427	Þ
205	0901218F	Civilian Compensation Program	7	6,024	5,793	6,497	6,756 U
206	1001004F	International Activities	7	3,583	3,554		Þ
207	1001018F	NATO Joint STARS	7	4,281		36,061	97,607 U
208	0207137F	Classified Program	7				
	Operation	Operational Systems Development		4,974,379	6,340,501	6,813,938	6,774,194
Total		Research Development Test & Eval AF		12,512,814	14,068,836	14,451,379	13,799,985

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### Defensewide FY 1998/1999 R D T & E Program

Summary Date: FEB 1997

Exhibit R-1

Summary			Date: FEB 1997	B IS9/
			Thousands of Dollars	f Dollars
	79 1996	FV 1997	FV 1998	. FV 1999
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Summary Recap of Budget Activities				
Basic Research	329,603	337,821	355,869	371,898
Applied Research	1,220,288	1,132,827	1,267,523	1,372,820
Advanced Technology Development	2,039,569	2,147,731	2,160,232	2,121,617
Demonstration and Validation	2,484,272	2,351,984	1,759,547	1,297,671
Engineering and Manufacturing Development	590,216	1,043,349	911,323	1,046,284
RDT&E Management Support	418,320	211,863	240,574	238,443
Operational Systems Development	2,110,174	2,212,596	2,374,612	2,240,620
	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
Total Research Development Test & Eval Defwide	9,192,442	9,438,171	9,069,680	8,689,353
Gummarty Recan of EVDD Drograms				
General Purpose Forces	26,068	27,157	27,856	28,531
Intelligence and Communications	2,009,053	2,031,078	2,197,222	2,058,177
Research and Development (FYDP Program 6)	7,002,532	7,200,504	6,680,990	6,440,597
Central Supply and Maintenance	3,788	6,101	8,720	8,732
Administration and Assoc Activities	3,999	31,066	34,356	34,985
Support of Other Nations			1,993	1,991
Special Operations Forces	147,002	142,265	118,543	116,340
		1 1 1 1 1 1 1 1	11111111	
Total Research Development Test & Eval Defwide	9,192,442	9,438,171	089'690'6	8,689,353

# Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

ms	Summary		Date: FEB 1997	1997
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		Thousands of Dollars	Dollars
	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		; 1 1 1 1 1 1 1 1 1 1	
	FY 1996	FY 1997	FY 1998	FY 1999
	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Summary Recap of Defensewide				
	1			
Defense Mapping Agency	71,685		1	1
Special Operations Command	147,002	142,265	118,543	116,340
Chemical and Biological Defense Program	253,491	302,602	320,846	312,552
Matters   The gent And Manning Adengy				
nactodar imayery and marrang mychel	3,045,181	3,373,391	2,581,944	2,272,589
DALLISCIC MISSILC DOLOMBO CASCALLACTOR	1.745.197	1.564,779	1,804,816	1,665,898
UIIICE OI SECTETATY/DELENSE	202 090 0	2.140.436	2,206,403	2,271,934
Defense Advanced Research Projects Agcy	204/604/4	7 1 1 1 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7	11111111	
National Security Agency	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	777	205 241	271 934
Defense Special Weapons Agency	229,628	21//03	146,062	****
Defence Support Droject Office	54,769	78,280	49,403	4T,854
JOHNSON DEFFORM OF A CAMPACA	5,526	35,836	67,189	59,924
OCHEC CHICKS OF CHAPTER SECONDS	60.630	65,802	55,845	57,980
Delense initiation Systems Ayency				
Defense Intelligence Agency				
Central Imagery Office		0 0 0	100 166	89.157
Defense Logistics Agency	6/4/8	03,040	102,100	011
Defense Investigative Service	402	417	4 T 3	410
		1 1 1 1 1 1 1	1111111	1 1 1 1 1 1 1 1
Total Research Development Test & Eval Defwide	9,192,442	9,438,171	089'690'6	8,689,353

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### Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997 Appropriation: 0400 D Research Development Test & Eval Defwide

			,		1	Thousands of	of Dollars
Line No	Frogram Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
н	0601101D	In-House Laboratory Independent Research	н	3,368	3,099	2,169	2,212 U
7	0601101E	Defense Research Sciences	ч	76,459	90,701	76,009	80,936 U
ĸ	0601103D	University Research Initiatives	т	214,876	214,696	237,788	247,188 U
4	0601110D	Focused Research Initiatives	н	8,372			Þ
5	0601111D	Government/Industry Cosponsorship of University	п			14,713	15,544 U
9	0601384BP	research Chemical and Biological Defense Program	₽	26,528	29,325	25,190	26,018 U
	Basic Research	earch		329,603	337,821	355,869	371,898
7	0602110E	Next Generation Internet	71	,		40,000	40,000 U
ω	0602160D	Counterproliferation Support	71	13,599			Þ
9	0602173C	Support Technologies - Applied Research	7	96,092	102,510	101,932	95,488 U
10	0602227D	Medical Free Electron Laser	7	24,344	19,934	20,841	21,640 U
11	0602228D	Historically Black Colleges and Universities	73	13,572	10,876	11,485	14,664 U
12	0602234D	(mbco) Scrence and Engineer Lincoln Laboratory Research Program	7	13,730	19,554	20,474	21,147 U
13	0602301E	Computing Systems and Communications Technology	7	361,528	314,969	341,752	371,471 U
14	0602383E	Biological Warfare Defense	7			61,600	61,800 U
15	0602384BP	Chemical and Biological Defense Program	7	68,565	67,852	60,023	58,360 U
16	0602702E	Tactical Technology	7	120,440	121,520	157,329	177,995 U
17	0602708E	Integrated Command and Control Technology	<b>6</b> 4	44,395	59,672	37,000	40,000 U
18	0602712E	Materials and Electronics Technology	7	227,848	213,843	192,192	236,730 U

Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	priation: 0	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
		.		; ; ; ; ; ; ; ; ; ; ;	, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of Dollars	! ! !
Line	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
19	0602715H	Defense Special Weapons Agency	7	227,320	192,298	211,971	221,702 U
20	0602787D	Medical Technology	7	7,150	7,985	8,987	9,810 U
21	0305108K	Command and Control Research	7	1,705	1,814	1,937	2,013 U
	Applied Research	search		1,220,288	1,132,827	1,267,523	1,372,820
22	0603002D	Medical Advanced Technology	ю	3,899	3,276	2,778	2,191 U
23	0603104D	Explosives Demilitarization Technology	ю	14,265	11,754	12,259	12,541 U
24	0603105D	Military HIV Research	ю	18,589			D
25	0603120D	Demining	ю		14,369	7,663	7,592 U
26	0603121D	Alternative to Landmines	ĸ			2,990	4,977 U
27	0603122D	Counterterror Technical Support	ю	16,656	21,098	34,863	37,057 U
28	0603160D	Counterproliferation Support - Adv Dev	ю	61,680	57,108	58,264	57,496 U
29	0603173C	Support Technologies - Advanced Technology	ю	130,611	251,294	147,557	144,902 U
30	0603225D	Development Joint DoD-DoE Munitions Technology Development	ю	20,675	17,743	16,141	16,354 U
31	0603226E	Experimental Evaluation of Major Innovative	ю	580,359			Þ
32	0603232D	Tecnnologies Automatic Target Recognition	m		4,716	4,789	4,746 U
33	0603384BP	Chemical and Biological Defense Program -	т	26,896	43,092	41,223	40,581 U
34	0603569E	Advanced Development Advanced Submarine Technology	ю	30,797			D
35	0603570E	Defense Reinvestment	ю	177,852			Ω

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11,896 U

11,750

17,252

16,895

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Special Technical Support

36 0603704D

Defensewide FY 1998/1999 R D T & E Program

		DETENSED OF THE 1998/1999 R D	DIGE	Program		Exhibit	t R-1
Appr	Appropriation:	0400 D Research Development Test & Eval Defwide	) ; ; ; ;	1		Date: FEB	1997
	Drogram					Thousands of Dollar	Dollars
Line			!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S
No	Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
37	0603711H	Verification Technology Demonstration	ю	32,308	25,485	83,370	50,232 U
38	06037128	Generic Logistics R&D Technology Demonstrations	ю	13,883	19,357	17,267	17,788 U
39	0603716D	Strategic Environmental Research Program	ю	54,436	53,475	54,874	57,185 U
40	0603726D	Joint Technology Insertion Program	m	3,228			n
41	0603727D	Joint Warfighting Program	м			14,172	22,833 U
42	0603728D	Agile Port Demonstration	т		4,897		Þ
43	0603729D	Rocket Launch Facility Upgrades	т		9,795		Þ
44	0603730D	Airfield Surface Traffic Monitoring	ю		1,959		D
45	0603738D	Cooperative DoD/VA Medical Research	т	23,283	21,334		D
46	0603739E	Advanced Electronics Technologies	ю	389,610	360,288	277,044	282,668 U
47	0603744E	Advanced Simulation	ю	4,809			Þ
48	0603745E	Semiconductor Manufacturing Technology	т	85,014			Þ
49	0603746E	Maritime Technology	ю	46,351	49,021	37,408	12,592 U
20	0603747E	Electric Vehicles	ю	14,694	14,707		Þ
51	0603750D	Advanced Concept Technology Demonstrations	m	37,438	56,972	121,076	139,458 U
52	0603752D	Commercial Technology Insertion Program	ю		9,744	47,889	47,457 U
53	06037538	Electronic Commerce Resource Centers	ю			14,972	Þ
54	0603755D	High Performance Computing Modernization Program	т	111,620	122,900	126,211	148,852 U
55	0603760E	Command, Control and Communications Systems	ю		102,996	163,800	172,600 U

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72,114 U

75,938

127,080

56 0603761E Communication and Simulation Technology

# Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

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Appr	opriation:	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB	FEB 1997
1 1	 	1	 	<del>!</del> ! !		Thousands of Dollars	
Line	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
			!	1 1 1 1 1 1 1 1	; ; ; ; ;	1 1 1 1 1 1 1	
57	0603762E	Sensor and Guidance Technology	ю		108,360	166,855	200,582 U
58	0603763E	Marine Technology	m		40,976	69,143	88,788 U
59	0603764臣	Land Warfare Technology	т		63,222	82,580	Д 868'96
9	0603765E	Classified DARPA Programs	т		178,040	134,977	02,500 U
61	0603800E	Joint Strike Fighter (JSF) - Dem/Val	т	28,917	72,865	23,900	D
62	0603805E	Dual Use Applications Programs	т		181,184	225,000	225,000 U
63	0603832D	Joint Wargaming Simulation Management Office	ю	72,183	59,331	71,338	74,614 U
64	03031326	Global Grid Communications	ĸ				
65	0304211G	National Activities	ю				
99	0305166G	Special Development	ю				
	Advanced	Technology Development		2,039,569	2,147,731	2,160,232	2,121,617
67	0603228D	Physical Security Equipment	4	19,096	23,198	31,553	32,536 U
9	3 0603708D	Integrated Diagnostics	4	9,540	9,492	6,514	6,650 п
69	06037090	Joint Robotics Program	4	21,038	29,159	23,196	24,694 U
70	0603714D	Advanced Sensor Applications Program	4	24,539	24,937	15,379	15,744 U
71	T 0603736D	CALS Initiative	4	24,476	15,527	1,916	1,899 U
72	2 0603790D	NATO Research and Development	4	21,840	9,744	13,584	11,262 U
73	3 0603851D	Œ	4	25,257	21,587	15,164	17,422 U
74	1 0603861C	Program Theater High-Altitude Area Defense System - TMD - Dem/Val	4	565,818	341,307	294,647	16,778 U

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### Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

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FEB 1997	of Dollars	FY 1999				192,073	605'6		393,085	514,109	61,910			1,297,671		108,006	31,633	578,467		101,430	
Date: F	Thousands of Dollars	FY 1998				194,898	47,956	12,885	504,091	542,619	55,145			1,759,547		120,535	55,429	261,480		206,057	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FY 1997			59,315	304,171	56,232	23,276	828,864	506,492	48,492	48,975	1,216	2,351,984	2,583	97,476	43,360	277,508		381,092	
	1	FY 1996	22,819	27,147	277,565	200,442	20,123		730,656	429,137	34,889	28,534	1,356	2,484,272	2,647	89,606	57,886		10,118	352,547	23,358
	1	Act	4	4	4	4	4	4	4	4	4	4	4		2	2	2	S.	2	. 5	2
0400 D Research Development Test & Eval Defwide		Item	HAWK System BM/C3 - Dem/Val	Theater Missile Defense BM/C3 - Dem/Val	Navy Area Theater Missile Defense - Dem/Val	Navy Theater Wide Missile Defense - Dem/Val	Meads Concepts - Dem/Val	Boost Phase Intercept Theater Missile Defense	Acquisillon - Dem/val National Missile Defense - Dem/Val	Joint Theater Missile Defense - Dem/Val	Chemical and Biological Defense Program - Dem/Val	ASAT	ISLAND SUN	Demonstration and Validation	Counterproliferation Support - EMD	Chemical and Biological Defense Program - EMD	Joint Tactical Information Distribution System	Theater High-Altitude Area Defense System - TMD -	Theater Missile Defense BM/C3 - EMD	Patriot PAC-3 Theater Missile Defense Acquisition - EAC	PAC-3 Risk Reduction - EMD
Appropriation: (	Drogram	Element Number	06038630	0603864C	0603867C	06038680	06038690	0603870C	0603871C	0603872C	0603884BP	0603892D	0208043J	Demonstra	0604160D	0604384BP	0604771D	0604861C	0604864C	06048650	0604866C
Approl		Line F No N	75	92	77	78	42	80	81	82	83	84	85		98	87	88	88	90	16	92

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### Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	opriation: 0	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			Thousands of Dollars	
Line	Program Element Number	Item	Act	FY 1996		FY 1998	FY 1999 C
93	0604867C	Navy Area Theater Missile Defense - EMD	S		241,330	267,822	226,748 U
94	0305106LC	Consolidated Imagery Activities	Ŋ				
95	0305107LC	Tactical Imagery Activities	ß				
96	0305889D	Counterdrug Intelligence Support	ហ	12,614			D
	Engineerin	Engineering and Manufacturing Development		590,216	1,043,349	911,323	1,046,284
97	0605104D	Technical Studies, Support and Analysis	y	30,251	30,447	38,376	40,355 U
86	0605110D	Technical Support to USD(A)Critical Technology	9	2,464	2,673	2,690	2,777 U
66	0605114E	BLACK LIGET	9	4,623	4,638	4,683	5,000 U
100	0605117D	Foreign Material Acquisition and Exploitation	9	43,772	39,707	37,474	38,380 U
101	0605126J	Joint Theater Air and Missile Defense Organizatio	9			23,100	17,850 U
102	0605128D	Classified Program USD(P)	9	3,700	11,108	5,979	1,692 U
103	0605160D	Counterproliferation Support	9	6,322	8,343	7,047	8,508 U
104	0605218C	Ballistic Missile Defense RDT&E Program	9	158,748			Þ
105	0605384BP	Management and Support Chemical and Biological Defense Program	9	7,007	16,365	18,730	17,677 U
106	0605502D	Small Business Innovative Research	9	27,239			Þ
107	0605502E	Small Business Innovative Research	9	42,390			Þ
108	0605710D	Classified Programs - C3I	9	424	2,252	357	448 U
109	0605790D	Small Business Innovative Research Administration	9	1,456	1,586	1,738	1,859 U
110	06057988	Defense Support Activities	9	16,858	13,121	5,992	e,056 U

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## Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

							4 4 2
Appr	Appropriation:	0400 D Research Development Test & Eval Defwide	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Date: FEB	1997
. ,	Program		i			Thousands of	Dollars
No		Item	Act	FY 1996	124	FY 1998	Q
-	0408010			1 1 1 1 1 1 1	; ; ; ; ; ;	! ! ! !	! !
777		Desense rechnical information Center	9	39,950	43,382	46,930	48,171 U
112	06058038	R&D in Support of DoD Enlistment, Testing and Evaluation	9		1,887	8,285	8,410 U
113	0605898E	Management Headquarters (Research and Development	9	33,116	36,354	39,193	41,260 U
	RDT&E Man	RDI&E Management Support		418,320	211,863	240,574	238,443
114	0208045K	C3 Interoperability	7	24,712	24,941	25,670	26,648 U
115	0208052J	Joint Analytical Model Improvement Program	7		1,000	2,186	1,883 U
116	0301011G	Cryptologic Activities	7				
117	0301301L	General Defense Intelligence Program	7				
118	0302016K	National Military Command System-Wide Support	7	1,995	1,978	2,064	2,099 U
119	0302019K	Joint/Defense Information Systems Engineering and Integration	7	3,622	4,468	4,721	4,971 U
120	0303126K	Long-Haul Communications (DCS)	7	17,788	22,479	14,520	15,254 U
121	0303127K	Support of the National Communications System	7	3,486	3,808	4,552	4,545 U
122	0303129K	Defense Message System	7		1,353		Þ
123	0303131K	Minimum Essential Emergency Communications	7	2,620	2,110	2,381	2,450 U
124	0303140D		7	16,514			D
125	0303140G	Information Systems Security Program	7	189,019	201,895	258,593	220,301 U
126	0303149J	C4I for the Warrior	7	171	2,554	5,554	3,215 U
127	0303149K	C4I for the Warrior	7		2,851		Þ
128	0303153K	Joint Spectrum Center	7	4,702			Þ

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Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

opro	Appropriation: 0	0400 D Research Development Test & Eval Defwide				Date: FEB	1997
1			1 1 1 1 1	1	! ! !	Thousands of Dollar	
Line No	Program Element Number	Ttem	Act	FY 1996	FY 1997	FY 1998	1999
129	0304345BQ	National Imagery and Mapping Program	7				
130	0305102BQ	Defense Imagery and Mapping Program	7		108,976	109,430	162,664 U
131	0305127V	Foreign Counterintelligence Activities	7	402	412	419	418 U
132	0305139B	DMA Mapping, Charting, and Geodesy (MC&G)	7	71,685			D
133	0305154D	Production System Improveme Defense Airborne Reconnaissance Program	7	600,653	469,335		D
134	0305154G	Defense Airborne Reconnaissance Program	7		3,459	4,460	4,425 U
135	03051591	Defense Reconnaissance Support Activities (SPACE)	7	54,769	78,280	49,403	41,854 U
136	0305190D	C3I Intelligence Programs	7	11,077	668′9	6,249	6,242 U
137	0305204D	Tactical UAVs	7			122,004	42,052 U
138	0305205D	Endurance UAVs	7			216,712	167,864 U
139	0305206D	Airborne Reconnaissance Systems	7			212,961	169,217 U
140	0305207D	Manned Reconnaissance Systems	7			27,784	11,133 U
141	0305208D	Distributed Common Ground Systems	7			37,653	33,897 U
142	0305209D	DARP Management Support	7			21,543	22,180 U
143	0305884L	Intelligence Planning and Review Activities	7				
144	0305885G	Tactical Cryptologic Activities	7	103,577	986'66	96,667	115,271 U
145	0305889G	Counterdrug Intelligence Support	7	11,109			D
146	0305898L	Management Headquarters (Auxiliary Forces)	7	10,423	1,849	1,926	1,914 U
147	07080118	Industrial Preparedness	7	3,788	6,101	8,720	8,732 U
148	0902298J	Management Headquarters (OJCS)	7	666'8	10,012	10,035	п 908'6

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# Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997	Thousands of Dollars	998 FY 1999 C	321 25,179 U	1,993 1,991 U	D	4,161 4,247 U	8,009 8,171 U	073 86,216 U	4,914 1,839 U	2,029 2,077 U	357 13,790 U	512 2,240,620	580 8,689,353
Dat	Thousa	FY 1998	24,321	1,		4,	8,0	73,073	4,9	2,(	26,357	2,374,612	089'690'6
		FY 1997	21,054		3,017	5,865	7,602	93,855	1,946	1,803	28,177	2,212,596	9,438,171
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FY 1996			2,239	3,774	14,515	105,201	2,880	1,747	16,646	2,110,174	9,192,442
! ! !	'	Act	7	7	7	7	7	7	7	7	7		
Appropriation: 0400 D Research Development Test & Eval Defwide		Item	Joint Simulation System	Partnership for Peace Activities	Small Business Innovative Research/Small Bus Tech	Special Operations Technology Development	0,	Special Operations Tactical Systems Development	Special Operations Intelligence Systems Development	SOF Medical Technology Development	SOF Operational Enhancements	Operational Systems Development	Research Development Test & Eval Defwide
priation: (	Program	Element Number	149 0902740J	10010175	1160279BB	1160401BB	1160402BB	1160404BB	1160405BB	1160407BB	1160408BB	Operationa	Research
Appro	щ	Line H	149	150	151	152	153	154	155	156	157		Total

### Defensewide FY 1998/1999 R D T & E Program

Summary Date: FEB 1997

Exhibit R-1

			TOT OF THE STATE O	1000
			Thousands of Dollars	f Dollars
	FY 1996	FY 1997	FY 1998	FY 1999
	, , , , ,			1 1 1 1 1 1 1
Summary Recap of Budget Activities				
RDT&E Management Support	247,082	275,792	268,183	278,767
Total Developmental Test & Eval, Defense	247,082	275,792	268,183	278,767
Summary Recap of FYDP Programs				
Research and Development (FYDP Program 6)	247,082	275,792	268,183	278,767
Total Developmental Test & Eval, Defense	247,082	275,792	268,183	278,767

#### Defensewide FW 1998/1999 P.D. T. E. F. Drogen

		FY 1998/19	FY 1998/1999 R D T & E Program	Program		Exhib	Exhibit R-1
Approp	Appropriation: 0450	Appropriation: 0450 D Developmental Test & Eval, Defense			. 1	Date: FEB 1997	В 1997
						Thousands of Dollars	f Dollars
Pi Line E	Program Element		í				
No	Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
-	0604940D	Central Test and Evaluation Investment	9	112,751	142,809	131,353	138,793 U
7	0605130D	Foreign Comparative Testing	9	32,195	32,851	33,836	33,759 U
m	0605804D	Development Test and Evaluation	9	102,136	100,132	102,994	106,215 U
	RDT&E Man	RDT&E Management Support		247,082	275,792	268,183	278,767
Total	Developm	Total Developmental Test & Eval, Defense		247,082	275,792	268,183	278,767

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Defensewide FY 1998/1999 R D T & E Program

Exhibit R-1

Summary			Date: FEB 1997 Thousands of Dollars	3 1997
	FY 1996	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities				
RDT&E Management Support	22,587	24,219	23,384	23,447
Total Operational Test & Evaluation, Defense	22,587	24,219	23,384	23,447
Summary Recap of FYDP Programs				
Research and Development (FYDP Program 6)	22,587	24,219	23,384	23,447
Total Operational Test & Evaluation, Defense	22,587	24,219	23,384	23,447

### Defensewide FY 1998/1999 R D T & E Program

Date: FEB 1997 Exhibit R-1 Appropriation: 0460 D Operational Test & Evaluation, Defense

f Dollars	FY 1999 C	13,216 U	10,231 U	23,447	23,447
Thousands of Dollars	FY 1998	13,187	10,197	23,384	23,384
	FY 1997	11,437	12,782	24,219	24,219
Thousands of Dollars	FY 1996	12,183	10,404	22,587	22,587
;	Act	vo	Q		
	Item	Operational Test and Evaluation	Live Fire Testing	RDT&E Management Support	Total Operational Test & Evaluation, Defense
Program e Element	Number	1 0605118D	2 0605131D	RDT&E Mana	al Operation
Lin	NO	•			Tota

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### Defense Mapping Agency FY 1998/1999 R D T & E Program

Exhibit R-1

				•			
Appropri	ation:	Appropriation: 0400 D Research Development Test & Eval Defwide	, , ,			Date: FEB 1997	3 1997
Prov	Program		•		Thousands of Dollars	Thousands of Dollars	Dollars
Line Elemen No Number	Element Number	Item	Act	FY 1996	FY 1997	FY 1998	е FY 1999 с
			:	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
132 030	0305139B	DMA Mapping, Charting, and Geodesy (MC&G) Production System Improveme	7	71,685			D
		,			1 1 1 1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1 1 1 1 1 1
ď	eration	Operational Systems Development		71,685			
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Total D	efense	Total Defense Mapping Agency		71,685			

# Special Operations Command FY 1998/1999 R D T & E Program

Exhibit R-1	Date: FEB 1997	Thousands of Dollars	6 FY 1997 FY 1998 FY 1999 c	υ 1,017 U	4 5,865 4,161 4,247 U	7,602 8,009	93,855 73,073 8	1,946 4,914	7 1,803 2,029 2,077 U	28,177 26,357 1	2 142,265 118,543 116,340	2 142,265 118,543 116,340
& E Program	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		t FY 1996	2,239	3,774	14,515	105,201	2,880	1,747	16,646	147,002	147,002
FY 1998/1999 R D T & E Program	Appropriation: 0400 D Research Development Test & Eval Defwide		Item Act		Special Operations Technology Development	Special Operations Advanced Technology Developmen 7	Special Operations Tactical Systems Development			SOF Operational Enhancements	Operational Systems Development	Total Special Operations Command
	priation: (	Program	Line Element No Number	1160279BB	1160401BB	1160402BB	1160404BB	1160405BB	1160407BB	1160408BB	Operationa	Special O
	Appro	<b>H</b>	Line No No	151	152	153	154	155	156	157		Total

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Chemical and Biological Defense Program FY 1998/1999 R D I & E Program

Exhibit R-1

pment Test & Eval Defwide	Thousands of Dollars	S		D REST YA SEEL YA 1898 C	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		FY 1996	
		:		Act	111
Appropriation: 0400 D Research Development Test & Eval Defwide			i	Item	
Appropriation		Program	Tine Element	No Number	

	Program		i		8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of	Dollars
Line	Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
9	0601384BP C	Chemical and Biological Defense Program	Н	26,528	29,325	25,190	26,018 U
	Basic Research			26,528	29,325	25,190	26,018
15	0602384BP C	Chemical and Biological Defense Program	7	68,565	67,852	60,023	58,360 U
	Applied Research	aarch		68,565	67,852	60,023	58,360
33	0603384BP C	Chemical and Biological Defense Program – Advanced Development	m	26,896	43,092	41,223	40,581 U
	Advanced Tec	Advanced Technology Development		26,896	43,092	41,223	40,581
83	0603884BP C	Chemical and Biological Defense Program - Dem/Val	n/Val 4	34,889	48,492	55,145	61,910 U
	Demonstratic	Demonstration and Validation		34,889	48,492	55,145	61,910
87	0604384BP C	Chemical and Biological Defense Program - EMD	. 5	909'68	97,476	120,535	108,006 υ
	Engineering	Engineering and Manufacturing Development		909'68	97,476	120,535	108,006
105	0605384BP C	Chemical and Biological Defense Program	9	7,007	16,365	18,730	17,677 U
	RDT&E Management	ement Support		7,007	16,365	18,730	17,677
Total	Chemical ar	Chemical and Biological Defense Program		253,491	302,602	320,846	312,552

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# National Imagery And Mapping Agency FY 1998/1999 R D T & E Program

Exhibit R-1

Ap --

Appropr	iation: 0	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
, d	Drogram				Thousands of Dollars	Thousands of Dollars	Dollars
Line El	Element						<b>9</b>
No Nu	Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 c
			:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1	
129 0	129 0304345BQ	National Imagery and Mapping Program	7				
130 0	305102BQ	0305102BQ Defense Imagery and Mapping Program	7		108,976	109,430	162,664
0	perationa	Operational Systems Development			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Total National Imagery And Mapping Agency

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# Ballistic Missile Defense Organization FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	Appropriation:	0400 D Research Development Test & Eval Defwide				Date: FEB 1997	B 1997
	Drogram					Thousands of Dollars	! ! !
Line No		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
Ø	06021730	Support Technologies - Applied Research	7	96,092	102,510	101,932	95,488 U
	Applied Research	esearch		96,092	102,510	101,932	95,488
29	0603173C	Support Technologies - Advanced Technology Development	m	130,611	251,294	147,557	144,902 U
	Advanced	Technology Development		130,611	251,294	147,557	144,902
74	0603861C	Theater High-Altitude Area Defense System - TMD	- 4	565,818	341,307	294,647	16,778 U
75	0603863C	Dem/var HAWK System BM/C3 - Dem/Val	4	22,819			D
16	0603864C	Theater Missile Defense BM/C3 - Dem/Val	4	27,147			р
77	0603867C	Navy Area Theater Missile Defense - Dem/Val	4	277,565	59,315		D
78	06038680	Navy Theater Wide Missile Defense - Dem/Val	4	200,442	304,171	194,898	192,073 U
79	06038690	Meads Concepts - Dem/Val	4	20,123	56,232	47,956	n 605'6
80	0603870C	Boost Phase Intercept Theater Missile Defense	4		23,276	12,885	D
81	0603871C	Actional Missile Defense - Dem/Val	4	730,656	828,864	504,091	393,085 U
82	0603872C	Joint Theater Missile Defense - Dem/Val	4	429,137	506,492	542,619	514,109 U
	Demonstra	Demonstration and Validation		2,273,707	2,119,657	1,597,096	1,125,554
89	0604861C	Theater High-Altitude Area Defense System - TMD	- 52		277,508	261,480	578,467 U
90	0604864C	Theater Missile Defense BM/C3 - EMD	2	10,118			Þ
91	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition . TWD	5	352,547	381,092	206,057	101,430 U
92	0604866C	PAC-3 Risk Reduction - EMD	r.	23,358			D

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## Ballistic Missile Defense Organization FY 1998/1999 R D T & E Program

Exhibit R-1

Appr(	opriation:	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	3 1997
; ;	Program		į			Thousands of Dollars	Dollars
No	Line Element No Number	Item	A Total	700 T	1001		! !
			) : : :		/ A A T T T A A / A / A / A / A / A / A	FY LYUS	FY 1999 C
93	93 0604867C	Navy Area Theater Missile Defense - EMD	ស		241,330	267,822	226,748 U
	Engineeri	Engineering and Manufacturing Development		386,023	899,930	735,359	906.645
104	0605218C	Ballistic Missile Defense RDT&E Program Management and Support	9	158,748			D
	RDT&E Man	RDT&E Management Support		158,748	1 1 1 1 1 1 1		
Total		Ballistic Missile Defense Organization		3,045,181	3,373,391	2,581,944	2,272,589

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# Office of Secretary/Defense FY 1998/1999 R D T & E Program

Exhibit R-1

Appr	ppropriation: (	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB	1997
;	Program					Thousands of Dollars	Dollars
No	Element Number	Item	Act	FY 1996	FY 1997	FY 1998	EY 1999 G
1	0601101D	In-House Laboratory Independent Research	1	3,368	3,099	2,169	2,212 U
ю	0601103D	University Research Initiatives	7	214,876	214,696	237,788	247,188 U
4	0601110D	Focused Research Initiatives	ч	8,372			Þ
Ŋ	0601111D	Government/Industry Cosponsorship of University Research	н			14,713	15,544 U
	Basic Research	aarch		226,616	217,795	254,670	264,944
∞	0602160D	Counterproliferation Support	7	13,599			D
10	0602227D	Medical Free Electron Laser	7	24,344	19,934	20,841	21,640 U
11	0602228D	Historically Black Colleges and Universities	7	13,572	10,876	11,485	14,664 U
12	0602234D		7	13,730	19,554	20,474	21,147 U
20	0602787D	Medical Technology	8	7,150	7,985	8,987	9,810 U
	Applied Research	ssearch		72,395	58,349	61,787	67,261
22	0603002D	Medical Advanced Technology	m	3,899	3,276	2,778	2,191 U
23	0603104D	Explosives Demilitarization Technology	m	14,265	11,754	12,259	12,541 U
24	0603105D	Military HIV Research	m	18,589			Ω
25	0603120D	Demining	ю		14,369	7,663	7,592 U
26	0603121D	Alternative to Landmines	ო			2,990	4,977 U
27	0603122D	Counterterror Technical Support	m	16,656	21,098	34,863	37,057 U
28	0603160D	Counterproliferation Support - Adv Dev	ო	61,680	57,108	58,264	57,496 U
30	0603225D	Joint DoD-DoE Munitions Technology Development	ю	20,675	17,743	16,141	16,354 U

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# Office of Secretary/Defense FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	Appropriation:	0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
	Drogram					Thousands of Dollars	Dollars
Line No	Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
32	0603232D	Automatic Target Recognition	т		4,716	4,789	4,746 U
36	0603704D	Special Technical Support	m	16,895	17,252	11,750	11,896 U
39	0603716D	Strategic Environmental Research Program	m	54,436	53,475	54,874	57,185 U
40	0603726D	Joint Technology Insertion Program	m	3,228			Þ
41	0603727D	Joint Warfighting Program	т			14,172	22,833 U
42	0603728D	Agile Port Demonstration	m		4,897		D
43	0603729D	Rocket Launch Facility Upgrades	m		9,795		D
44	0603730D	Airfield Surface Traffic Monitoring	က		1,959		D
45	0603738D	Cooperative DoD/VA Medical Research	ო	23,283	21,334		D
51	0603750D	Advanced Concept Technology Demonstrations	m	37,438	56,972	121,076	139,458 U
52	0603752D	Commercial Technology Insertion Program	ю	٠	9,744	47,889	47,457 U
54	0603755D	High Performance Computing Modernization Program	m	111,620	122,900	126,211	148,852 U
63	0603832D	Joint Wargaming Simulation Management Office	ю	72,183	59,331	71,338	74,614 U
	Advanced	Advanced Technology Development		454,847	487,723	587,057	645,249
67	0603228D	Physical Security Equipment	4	19,096	23,198	31,553	32,536 U
68	0603708D	Integrated Diagnostics	4	9,540	9,492	6,514	0 059'9
69	0603709D	Joint Robotics Program	4	21,038	29,159	23,196	24,694 U
70	0603714D	Advanced Sensor Applications Program	4	24,539	24,937	15,379	15,744 U
71	0603736D	CALS Initiative	4	24,476	15,527	1,916	1,899 U

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### Office of Secretary/Defense FY 1998/1999 R D T & E Program

Exhibit R-1

Þ Þ Þ Þ Þ 2,777 U 38,380 U FY 1999 17,422 31,633 40,355 448 11,262 1,692 8,508 1,859 31,633 94,019 110,207 Thousands of Dollars Date: FEB 1997 5,979 1,738 107,306 2,690 FY 1998 38,376 357 13,584 15,164 55,429 55,429 93,661 37,474 7,047 182,619 2,673 1,586 FY 1997 9,744 21,587 48,975 2,583 43,360 45,943 30,447 39,707 11,108 8,343 2,252 96,116 FY 1996 3,700 1,456 21,840 25,257 2,647 57,886 30,251 2,464 43,772 27,239 28,534 174,320 73,147 6,322 115,628 12,614 16,514 Act S Ŋ 9 9 9 9 9 9 1 Small Business Innovative Research Administration Technical Support to USD(A) -- Critical Technology Joint Tactical Information Distribution System (JTIDS)
Counterdrug Intelligence Support Environmental Security Technical Certification Appropriation: 0400 D Research Development Test & Eval Defwide Foreign Material Acquisition and Exploitation Technical Studies, Support and Analysis 0303140D Information Systems Security Program Counterproliferation Support - EMD Small Business Innovative Research Engineering and Manufacturing Development NATO Research and Development Counterproliferation Support Classified Program USD(P) Classified Programs - C3I Demonstration and Validation RDT&E Management Support Program ASAT 0604160D 0603790D 0603851D 0603892D 0604771D 0305889D 0605104D 0605110D 0605117D 0605128D 0605160D 0605502D 0605710D 0605790D Program Line Element No Number 108 124 72 73 86 88 96 100 102 103 106 109 84 97

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Office of Secretary/Defense FY 1998/1999 R D T & E Program

		OIIICe OI Secretary/Derense FY 1998/1999 R D I & E Program	cretary/De R D T & E	rense Program		Exhibit R-1	t R-1
Appro	priation: (	Appropriation: 0400 D Research Development Test & Eval Defwide		1		Date: FEB 1997	1997
	Drogram					Thousands of Dollars	Dollars
Line	Line Element No Number	Item	Act	FY 1996	FY 1997	FY 1998	EY 1999 C
133	0305154D	Defense Airborne Reconnaissance Program	7	600,653	469,335		n
136	0305190D	C31 Intelligence Programs	7	11,077	6,899	6,249	6,242 U
137	0305204D	Tactical UAVs	7			122,004	42,052 U
138	0305205D	Endurance UAVs	7			216,712	167,864 U
139	0305206D	Airborne Reconnaissance Systems	7			212,961	169,217 U
140	0305207D	Manned Reconnaissance Systems	7			27,784	11,133 U
141	0305208D	Distributed Common Ground Systems	7			37,653	33,897 U
142	0305209D	DARP Management Support	7			21,543	22,180 U
	Operation	Operational Systems Development		628,244	476,234	644,906	452,585
Total		Office of Secretary/Defense		1,745,197	1,564,779	1,804,816	1,665,898

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# Defense Advanced Research Projects Agcy FY 1998/1999 R D T & E Program

ppro	priation: (	Defense Advanced Research Projects Agcy FY 1998/1999 R D T & E Program Appropriation: 0400 D Research Development Test & Eval Defwide	search F D T & E	rojects Agcy : Program		Exhibit Date: FEB	Exhibit R-1 e: FEB 1997
:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of	
Line	Program Element		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			S
		Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
~	0601101E	Defense Research Sciences	П	76,459	90,701	76,009	80,936 U
	Basic Rese	Research		76,459	90,701	76,009	80,936
7	0602110E	Next Generation Internet	7			40,000	40,000 U
13	0602301E	Computing Systems and Communications Technology	7	361,528	314,969	341,752	371,471 U
14	0602383E	Biological Warfare Defense	7			61,600	61,800 U
16	0602702E	Tactical Technology	7	120,440	121,520	157,329	177,995 U
17	0602708E	Integrated Command and Control Technology	7	44,395	59,672	37,000	40,000 U
18	0602712E	Materials and Electronics Technology	7	227,848	213,843	192,192	236,730 U
	Applied Research	ssearch		754,211	710,004	829,873	927,996
31	0603226E	Experimental Evaluation of Major Innovative	e	580,359			Þ
34	0603569E	reconnotates Advanced Submarine Technology	м	30,797			Þ
35	0603570E	Defense Reinvestment	es	177,852			b
46	0603739距	Advanced Electronics Technologies	т	389,610	360,288	277,044	282,668 U
47	0603744臣	Advanced Simulation	ю	4,809			Þ
48	0603745E	Semiconductor Manufacturing Technology	т	85,014			D
49	0603746E	Maritime Technology	ю	46,351	49,021	37,408	12,592 U
20	0603747E	Electric Vehicles	ю	14,694	14,707		b
22	0603760瓦	Command, Control and Communications Systems	m		102,996	163,800	172,600 U
99	0603761E	Communication and Simulation Technology	e		127,080	75,938	72,114 U

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# Defense Advanced Research Projects Agcy FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	priation:	Appropriation: 0400 D Research Development Test & Eval Defwide		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date: FEB 1997	B 1997
	Program			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Thousands of Dollars	f Dollars
Line No	Element Number	Item Act	t FY 1996	FY 1997	FY 1998	FY 1999 C
57	0603762E	Sensor and Guidance Technology		108,360	166,855	200,582 U
28	0603763E	Marine Technology		40,976	69,143	88,788 U
59	0603764瓦	Land Warfare Technology		63,222	82,580	д 868'96
09	0603765E	Classified DARPA Programs		178,040	134,977	65,500 U
61	0603800E	Joint Strike Fighter (JSF) - Dem/Val	28,917	72,865	23,900	D
62	0603805E	Dual Use Applications Programs		181,184	225,000	225,000 U
	Advanced	Advanced Technology Development	1,358,403	1,298,739	1,256,645	1,216,742
66	0605114E	BLACK LIGHT 6	4,623	4,638	4,683	5,000 U
107	0605502E	Small Business Innovative Research	42,390			Þ
113	0605898E	Management Headquarters (Research and Development 6	33,116	36,354	39,193	41,260 U
	RDISE Man	RDI&E Management Support	80,129	40,992	43,876	46,260
Total		Defense Advanced Research Projects Agcy	2,269,202	2,140,436	2,206,403	2,271,934

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### National Security Agency FY 1998/1999 R D T & E Program

		FY 1998/1999 R D T & E Program	9 КОТ & Е	Program		Exhib	Exhibit R-1
Appr	Appropriation:	Appropriation: 0400 D Research Development Test & Eval Defwide	; ; ; ; ;			Date: FEB 1997	B 1997
	Program		•			Thousands of Dollars	! !
Line No	Line Element No Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
64	64 0303132G	Global Grid Communications	ю				
65	0304211G	National Activities	т				
99	0305166G	Special Development	ю				
	Advanced	Advanced Technology Development			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ; ;	? : : : : : : : :
116	116 0301011G	Cryptologic Activities	7				
125	0303140G	Information Systems Security Program	7	189,019	201,895	258,593	220,301 U
134	0305154G	Defense Airborne Reconnaissance Program	7	3,450	3,459	4,460	4,425 U
144	0305885G	Tactical Cryptologic Activities	7	103,577	986'66	96,667	115,271 U
145	0305889G	Counterdrug Intelligence Support	7	11,109			D
-	Operation	Operational Systems Development		1	!	1	
Total		National Security Agency				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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## Defense Special Weapons Agency FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	priation: (	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
			! ! ! ! !	; ; ; ; ; ; ; ; ; ; ; ;	 	Thousands of Dollars	f Dollars
Line	Program Element Number	Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
19	0602715H	Defense Special Weapons Agency	7	227,320	192,298	211,971	221,702 U
	Applied Research	ssearch		227,320	192,298	211,971	221,702
37	37 0603711H	Verification Technology Demonstration	т	32,308	25,485	83,370	50,232 U
	Advanced	Advanced Technology Development		32,308	25,485	83,370	50,232
Total	Defense	Total Defense Special Weapons Agency		259,628	217,783	295,341	271,934

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Defense Support Project Office FY 1998/1999 R D T & E Program

Exhibit R-1	Date: FEB 1997
FY 1998/1999 R D T & E Program	Appropriation: 0400 D Research Development Test & Eval Defwide

# Joint Chiefs of Staff FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	opriation:	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
:						Thousands of Dollars	Dollars
Line No	Frogram Line Element No Number	Item A	Act 	FY 1996	FY 1997	FY 1998	FY 1999 C
85	0208043J	ISLAND SUN	4	1,356	1,216		D
	Demonstra	Demonstration and Validation		1,356	1,216	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1
101	0605126J	Joint Theater Air and Missile Defense Organizatio	9			23,100	17,850 U
	RDT&E Man	RDT&E Management Support		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		23,100	17,850
115	0208052J	Joint Analytical Model Improvement Program	7	-	1,000	2,186	1,883 U
126	0303149J	C4I for the Warrior	7	171	2,554	5,554	3,215 U
148	0902298J	Management Headquarters (OJCS)	7	3,999	10,012	10,035	9,806 U
149	09027403	Joint Simulation System	7		21,054	24,321	25,179 U
150	1001011	Partnership for Peace Activities	7			1,993	1,991 U
	Operation	Operational Systems Development		4,170	34,620	44,089	42,074
Tota	l Joint Ch	Total Joint Chiefs of Staff		5,526	35,836	67,189	59,924

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### Defense Information Systems Agency FY 1998/1999 R D T & E Program

Exhibit R-1

26,648 U 2,099 U 4,971 U 15,254 U Þ FY 1999 c 2,013 U 2,013 4,545 Thousands of Dollars Date: FEB 1997 1,937 1,937 2,064 4,721 FY 1998 4,552 25,670 14,520 1,814 3,808 1,814 24,941 4,468 1,353 22,479 FY 1997 1,978 1,705 1,705 1,995 3,622 17,788 3,486 FY 1996 24,712 Act ~ ^ 7 Joint/Defense Information Systems Engineering and Integration Long-Haul Communications (DCS) Appropriation: 0400 D Research Development Test & Eval Defwide Support of the National Communications System National Military Command System-Wide Support Command and Control Research Defense Message System C3 Interoperability Item Applied Research 0305108K 0208045K 0302016K 0302019K 0303129K 0303126K 0303127K Program Line Element No Number 21 114 118 119 120 122 121

2,450 U

2,381

2,110

2,620

7 7

Minimum Essential Emergency Communications

0303131K

123

0303149K 0303153K

Joint Spectrum Center

Network (MEECN) C4I for the Warrior

2,851

4,702

Þ

57,980

55,845

65,802

60,630

Defense Information Systems Agency

Total

Operational Systems Development

55,967

53,908

63,988

58,925

# Defense Intelligence Agency FY 1998/1999 R D T & E Program

Exhibit R-1

Date: FEB 1997	おいこうちゅう しん けいしょうちゅ
Appropriation: 0400 D Research Development Test & Eval Defwide	
Appropriation: C	

-144		APPLICATION OF THE POST OF THE			100 to 10	Lect day . S. Da	/ COT 0
	Program		•		Thousands of Dollars S	Thousands of Dollars	Dollars
Line No	Line Element No Number	Item	Act	FY 1996	FY 1997	FY 1998	e FY 1999 c
			! !		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1	
117	117 0301301L	General Defense Intelligence Program	7				
143	0305884L	Intelligence Planning and Review Activities	7				
146	0305898L	Management Headquarters (Auxiliary Forces)	7	10,423	1,849	1,926	1,914 U
	Operation	Operational Systems Development			i i t t	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				,		1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Total Defense Intelligence Agency

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### Central Imagery Office FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	velopment Test & Eval Defwide				Date: FEB 1997	1997
		 			Thousands of Dollars	Dollars
	Program	;		S) ***	1 1 1 1 1 1 1 1 1 1 1 1	8
Line	Element Number Item	Act	FY 1996	FY 1997	FY 1998	FY 1999 C
		1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
94	0305106LC Consolidated Imagery Activities	2				
95	0305107LC Tactical Imagery Activities	S				
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Engineering and Manufacturing Development					
			1 1 1 1 1			
Total	l Central Imagery Office					

# Defense Logistics Agency FY 1998/1999 R D T & E Program

Exhibit R-1

Appro	priation: (	Appropriation: 0400 D Research Development Test & Eval Defwide				Date: FEB 1997	1997
; ; ; ;						Thousands of Dollars	Dollars
Line No	Line Element No Number	Item	Act	FY 1996	FY 1997	FY 1998	EY 1999 C
38	06037128	Generic Logistics R&D Technology Demonstrations	ю	13,883	19,357	17,267	17,788 U
53	06037538	Electronic Commerce Resource Centers	т			14,972	D
	Advanced 1	Advanced Technology Development		13,883	19,357	32,239	17,788
110	06057988	Defense Support Activities	9	16,858	13,121	5,992	0 990'9
111	06058018	Defense Technical Information Center	9	39,950	43,382	46,930	48,171 U
112	06058038	R&D in Support of DoD Enlistment, Testing and Evaluation	v		1,887	8,285	8,410 U
	RDI&E Mana	RDI&E Management Support		56,808	58,390	61,207	62,637
147	07080118	Industrial Preparedness	7	3,788	6,101	8,720	8,732 п
	Operation	Operational Systems Development		3,788	6,101	8,720	8,732
Tota]	l Defense 1	Total Defense Logistics Agency		74,479	83,848	102,166	89,157

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Defense Investigative Service FY 1998/1999 R D T & E Program

LOGIANN EXPLOIT R-1	velopment Test & Eval Defwide	Thousands of Dollars
MBTROTT A B T C V CCCV CCCV V	Appropriation: 0400 D Research Development Test & Eval Defwide	Program

O Company of the Comp		Thousands of Dollars	1	Thomsands of Dollars	f 10.11.2 mg
Flogram Line Element	;				S
No Number Item	Act	FY 1996	FY 1997	FY 1998	EY 1999 C
131 0305127V Foreign Counterintelligence Activities	7	402	412	419	418 U
Operational Systems Development		402	412	419	418
Total Defense Investigative Service		402	412	419	418